

N61165.AR.003769
CNC CHARLESTON
5090.3a

LEAD-BASED PAINT ABATEMENT OFFICER'S HOUSING CNC CHARLESTON SC
6/11/1999
SUPERVISOR OF SHIPBUILDING

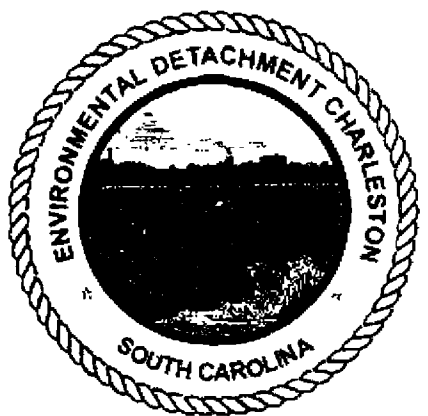


**LEAD-BASED PAINT ABATEMENT
OFFICERS' HOUSING
CHARLESTON NAVAL COMPLEX
CHARLESTON, SC**



Prepared for:

**DEPARTMENT OF THE NAVY
SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON SC**



Prepared by:

**Supervisor of Shipbuilding, Conversion and Repair,
USN, (SUPSHIP) Portsmouth Va.,
Environmental Detachment Charleston, S.C.
1899 North Hobson Ave.
North Charleston, SC 29405-2106**

11 June 1999



DEPARTMENT OF THE NAVY
SUPERVISOR OF SHIPBUILDING, CONVERSION AND REPAIR, USN
PORTSMOUTH, VIRGINIA, ENVIRONMENTAL DETACHMENT CHARLESTON
1899 NORTH HOBSON AVENUE, BUILDING 30
NORTH CHARLESTON, SOUTH CAROLINA 29405-2106

IN REPLY REFER TO:

Ser: 489
JUN 18 1999

From: Director, Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va.
Environmental Detachment Charleston, SC (SPORTENVDETHASN)
To: Commanding Officer, Southern Division Naval Facilities Engineering Command
Attn: Archie Browder, Code 18B4 (SOUTHDIV)
Subj: LEAD-BASED PAINT ABATEMENT FOR QUARTERS AA, OFFICERS' HOUSING,
CHARLESTON NAVAL COMPLEX, CHARLESTON, SC
Ref: (a) U.S. Department of Housing and Urban Development (HUD) Guidelines for the
Evaluation and Control of Lead Based Paint Hazards in Housing, dated June 1995
Encl: (1) Quarters AA Clearance Sampling Results and HUD Visual Inspection Form

1. Abatement of lead-based paint (LBP) from Quarters AA located on Charleston Naval Complex is complete. The abatement was performed from 21 December 1998-10 February 1999, by Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va., Environmental Detachment Charleston. Enclosure (1) provides the LBP Abatement Report for Quarters AA.

2. Using procedures outlined in ref (a), a SPORTENVDETHASN Certified Lead Inspector/Risk Assessor conducted clearance dust and soil sampling for Quarters AA. Azimuth Laboratories, a National Lead Laboratory Accreditation Program participant, provided analytical results of these samples. Results revealed lead levels below the following HUD Limits:

Floors	100 $\mu\text{g}/\text{ft}^2$
Interior Window Sills	500 $\mu\text{g}/\text{ft}^2$
Window Troughs	800 $\mu\text{g}/\text{ft}^2$
Soil	2000 $\mu\text{g}/\text{ft}^2$

3. If you have any questions, please contact Ruth Zech or John Lawrence at (843) 743-6777 extensions 219 or 223 respectively.


E. R. DEARHART



**LEAD-BASED PAINT ABATEMENT
QUARTERS AA
OFFICERS' HOUSING
CHARLESTON NAVAL COMPLEX
CHARLESTON, SC**



Prepared for:

**DEPARTMENT OF THE NAVY
SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON SC**



Prepared by:

**Supervisor of Shipbuilding, Conversion and Repair,
USN, (SUPSHIP) Portsmouth Va.,
Environmental Detachment Charleston, S.C.
1899 North Hobson Ave.
North Charleston, SC 29405-2106**

11 June 1999

Lead Hazard Control Visual Clearance Form

Date: **17 February, 1999**

Name of clearance examiner: **Ruth Zech**

License No. **Pb27150-97038**

Name of property owner: **SOUTHNAVFACENGCOM** Property address **1345 Avenue G**

Apt. No: **Quarters AA**

Date cleanup completed: **12 February 1999**

Time cleanup completed **1600**

Abatement/interim control contractor name: **Environmental Detachment Charleston**

Address: **1899 North Hobson Avenue**

Telephone no. **843-743-6777**

Check if repeat clearance examination _____

Room identifier	List all building components required to be treated in each room	Work on each Component Completed? (yes or no)	Visible paint Chips seen? (yes or no)	Visible Settled Dust seen? (yes or no)	Additional work required?
1 st Flr, Rm 1	Windows	Yes	No	No	No
1 st Flr, Rm 2	Windows	Yes	No	No	No
1 st Flr, Rm 3	Windows	Yes	No	No	No
Kitchen	Windows	Yes	No	No	No
Bath 1	Doors	Yes	No	No	No
Porch 1	Columns/Lattice/Trim, Walls Doors & Jambs/Casings, Ceiling, Floor	Yes	No	No	No
Porch 2	Columns/Lattice/Trim, Walls, Doors & Jambs/Casings, Ceiling, Closet Ceiling, Window Screen	Yes	No	No	No
2 nd Flr Rm 1	Windows	Yes	No	No	No
2 nd Flr Rm 2	Windows	Yes	No	No	No
2 nd Flr Rm 3	Windows	Yes	No	No	No
Bath 2	Windows	Yes	No	No	No
Bath 3	Windows	Yes	No	No	No
Hall 4	Windows	Yes	No	No	No
Exterior	Awnings, Door Casings, Facia/Soffit, Window Sashes/Casings, Screen Sashes, Porch Columns/Lattice/Trim, Wall Side C, Elec Panel Side C, Foundation Flashing Side C	Yes	No	No	No

Exterior soil

____ Treated

x Not treated

If treated, is bare soil present?

____ Yes

x No

Was contaminated soil removed?

____ Yes

x No

Is additional soil treatment required?

____ Yes

x No

NOTES: All windows and casings replaced

Signature _____

Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)Date: **17 February 1999**Name of clearance examiner: **Ruth Zech**License No. **Pb27150-97038**Name of property owner: **SOUTHNAVFACENGCOM** Property address **1345 Avenue G** Apt. No: **Quarters AA**

Clearance categories:

1. Interior treatments without containment.
2. Interior treatments with containment.
3. Exterior work on painted surfaces.
4. Routine maintenance.
5. Soil work.

Sample number	Fir	Room # or identifier	Surface type (floor, interior window sill, window trough)	Clearance Category number	Dimensions of sample area (inches)	Area (ft ²) (can be completed by lab)	Lab Results (µg/ft ²) (can be completed by lab)	Pass or Fail
99AZ-014-01	—	BLANK	BLANK	2	BLANK	BLANK	< 25 µg/ft ²	P
99AZ-014-02	1	Rm 1	Floor (Side B, in front of door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-014-03	1	Rm 1	Window Sill (Side A)	2	12" x 2-1/2"	.2	< 125 µg/ft ²	P
99AZ-014-04	1	Rm 2	Floor (Side B, in front of door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-014-05	1	Rm 2	Window Trough (Side C)	2	12" x 4"	.33	< 76 µg/ft ²	P
99AZ-014-06	2	Rm 3	Floor (Side D, in front of door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-014-07	2	Rm 3	Window Sill (Side B)	2	12" x 2-1/2"	.2	< 125 µg/ft ²	P
99AZ-014-08	2	Rm 2	Floor (Side D, in front of door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-014-09	2	Bath 3	Window Trough (Side D)	2	12" x 4"	.33	< 76 µg/ft ²	P

Total number of samples on this page 9

Page 1 of 1Date of sample collection **2/17/1999**Date shipped to lab **2/17/1999**Shipped by _____
(Signature)

Lead Hazard Control Clearance Soil Sampling Form (Composite Sampling Only)

Date: 17 February, 1999

Name of clearance examiner: Ruth Zech

License No. **Pb27150-97038**

Name of property owner: **SOUTHNAVFACENGCOM** Property address **1345 Avenue G** Apt. No: **Quarters AA**

[illegible]

Sketch soil sampling plot plan. Collect only the top 1/2" of soil.

Total number of samples on this page 2

Page 1 of 1

Date of sample collection **2/17/99**

Date shipped to lab **2/17/99**

Shipped by _____
(Signature)



A Division of Azimuth, Incorporated

9229 University Blvd.

Charleston, SC 29406

(800) 968-3565 Fax (803) 569-3282

Test Request Form

Name Env Detachment Charleston
Address 1899 North Hobson Ave.
N. Charleston SC 29405-8106
ATTN: Bill Hiers 743-6777 x 124

Special requests:

Verbal results N/A

Fax report YES

Fax # 743-0174

Results needed by: 2/24/99

Project No. Quarters AA Sample Type Soil # of Samples 11 P.O. Credit Card Tom
Contact Name JB Lawrence Phone No. 743-6777 x 223 Date Shipped 2/17/99
Special Instructions / Unusual Conditions / Possible Interferences:

Analyze per Appendix 14 of HUD Guidelines

Lab Use Only	Sample Number or Area	Sample Volume or Time sq. ft	Date Sampled	Media Type	Analysis Requested
✓	99AZ-014-01	1	17 th 8 Feb 99	Dust wipe	Lead
✓	99AZ-014-02	1			
✓	99AZ-014-03	.2			
✓	99AZ-014-04	1			
✓	99AZ-014-05	.33			
✓	99AZ-014-06	1			
✓	99AZ-014-07	.2			
✓	99AZ-014-08	1			
✓	99AZ-014-09	.33		↓	
✓	99AZ-014-10	soil		soil	
✓	99AZ-014-11	soil	↓	soil	↓

American Industrial Hygiene Association: Laboratory Accreditation #367

IN CUSTODY	Relinquished by: <u>[Signature]</u>	Date: <u>11 Feb 99</u>	Received by: <u>William R. Hiers, Jr.</u>	Date: <u>2/17/99</u>
	Relinquished by: <u>William R. Hiers, Jr.</u>	Date: <u>2/17/99</u>	Received at Lab by: <u>J.M. Wagon</u>	Date: <u>2/17/99</u>
	Method of Shipment:		Sample Condition Upon Receipt: <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)	
Authorized by: _____ Date: _____		(Client Signature Must Accompany Request)		

Encl (1)
Page 4 of 8



CLIENT: SPORTENVDETHASN
1899 N Hobson Ave., BLDG. 30
N. Charleston, SC 29405-2106
ATTN.: John Lawrence

Project Info: Quarters AA

Purchase Ord: Credit Card-Tom Kizer

Workorder: 9902073
Received: 2/17/99 4:17:00 PM
Received by: McGuiggan T
Validated: 2/24/99 11:36:00 AM
Validated by: McGuiggan T
Approved: 2/24/99 11:36:00 AM
Approved by: McGuiggan T

Client Sample ID: 99AZ-014-01
Azimuth ID: 9902073-01

Collection Date: 2/17/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-014-02
Azimuth ID: 9902073-02

Collection Date: 2/17/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-014-03
Azimuth ID: 9902073-03

Collection Date: 2/17/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<125 ug/ft2

Client Sample ID: 99AZ-014-04
Azimuth ID: 9902073-04

Collection Date: 2/17/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-014-05 Collection Date: 2/17/99
Azimuth ID: 9902073-05

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<76 ug/ft2

Client Sample ID: 99AZ-014-06 Collection Date: 2/17/99
Azimuth ID: 9902073-06

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-014-07 Collection Date: 2/17/99
Azimuth ID: 9902073-07

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<125 ug/ft2

Client Sample ID: 99AZ-014-08 Collection Date: 2/17/99
Azimuth ID: 9902073-08

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-014-09 Collection Date: 2/17/99
Azimuth ID: 9902073-09

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<76 ug/ft2

Client Sample ID: 99AZ-014-10 Collection Date: 2/17/99
Azimuth ID: 9902073-10

Test	Method	Sample Result
Lead	mNIOSH 7082	0.1244 % by wt

Client Sample ID: 99AZ-014-11
Azimuth ID: 9902073-11

Collection Date: 2/17/99

Test	Method	Sample Result
Lead	mNIOSH 7082	0.0706 % by wt

Director of Laboratories: Richard D. Bennett, MSPH CIH

AIHA Laboratory ID Number: 9044

NY State ELAP Lab No. 11052

ELLAP Laboratory ID Number: 9044

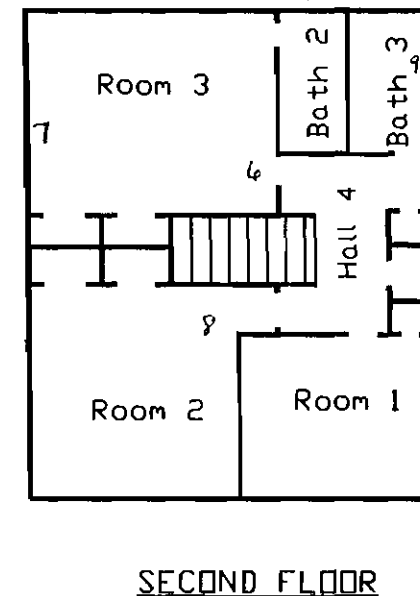
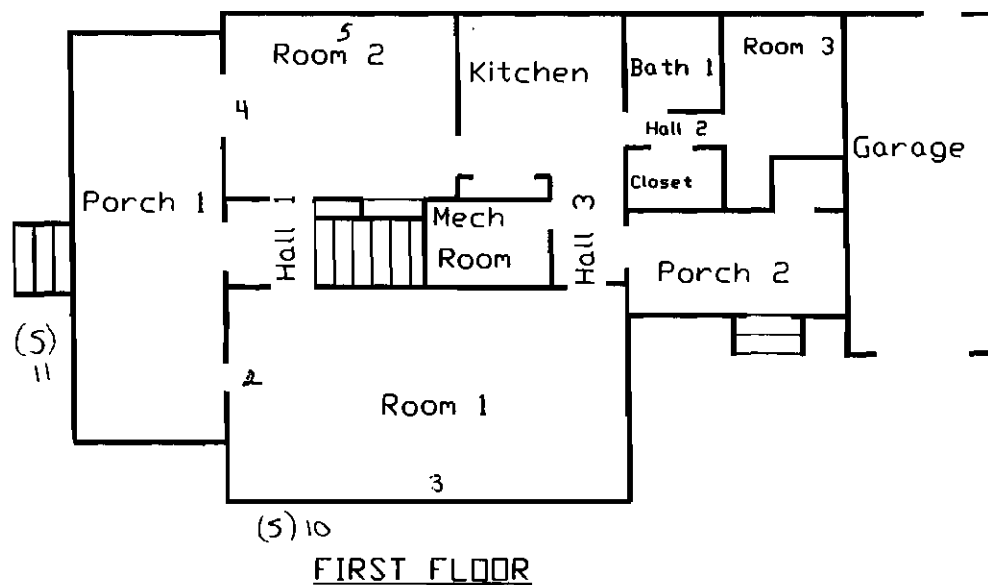
The detection limit for Lead in soil and on wipes is 0.5mg/L. A blank was not submitted with the wipes.

Final Approval: Douglas McGuggan, Lab manager

Date: February 24, 1999

SIDE C

SIDE B



SIDE D

SIDE A

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan (Type HD-23)
1345 AVE. "G" QUARTERS (AA)
Charleston Naval Complex
Charleston, SC

DWG DATE: 12 MAR 98

DWG NAME: Qtrs-AA



**LEAD-BASED PAINT ABATEMENT
QUARTERS BB
OFFICERS' HOUSING
CHARLESTON NAVAL COMPLEX
CHARLESTON, SC**



Prepared for:

**DEPARTMENT OF THE NAVY
SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON SC**



Prepared by:

**Supervisor of Shipbuilding, Conversion and Repair,
USN, (SUPSHIP) Portsmouth Va.,
Environmental Detachment Charleston, S.C.
1899 North Hobson Ave.
North Charleston, SC 29405-2106**

11 June 1999



DEPARTMENT OF THE NAVY
SUPERVISOR OF SHIPBUILDING, CONVERSION AND REPAIR, USN
PORTSMOUTH, VIRGINIA ENVIRONMENTAL DETACHMENT CHARLESTON
1899 NORTH HOBSON AVENUE, BUILDING 30
NORTH CHARLESTON, SOUTH CAROLINA 29405-2106

IN REPLY REFER TO

Ser: 457

JUN 16 1999

From: Director, Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va.
Environmental Detachment Charleston, SC (SPORTENVDETHASN)

To: Commanding Officer, Southern Division Naval Facilities Engineering Command
Attn: Archie Browder, Code 18B4 (SOUTHDIR)

Subj: LEAD-BASED PAINT ABATEMENT FOR QUARTERS BB, OFFICERS' HOUSING,
CHARLESTON NAVAL COMPLEX, CHARLESTON, SC

Ref: (a) U.S. Department of Housing and Urban Development (HUD) Guidelines for the
Evaluation and Control of Lead Based Paint Hazards in Housing, dated June 1995

Encl: (1) Quarters BB Clearance Sampling Results and HUD Visual Inspection Form

1. Abatement of lead-based paint (LBP) from Quarters BB located on Charleston Naval Complex is complete. The abatement was performed from 13 February 1999- 01 March 1999, by Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va., Environmental Detachment Charleston. Enclosure (1) provides the LBP Abatement Report for Quarters BB.

2. Using procedures outlined in ref (a), a SPORTENVDETHASN Certified Lead Inspector/Risk Assessor conducted clearance dust and soil sampling for Quarters BB. Azimuth Laboratories, a National Lead Laboratory Accreditation Program participant, provided analytical results of these samples. Results revealed lead levels below the following HUD Limits:

Floors	100 $\mu\text{g}/\text{ft}^2$
Interior Window Sills	500 $\mu\text{g}/\text{ft}^2$
Window Troughs	800 $\mu\text{g}/\text{ft}^2$
Soil	2000 $\mu\text{g}/\text{ft}^2$

3. If you have any questions, please contact Ruth Zech or John Lawrence at (843) 743-6777 extensions 219 or 223 respectively.

E. R. Dearhart
E. R. DEARHART

Lead Hazard Control Visual Clearance Form

Date: **15 March 1999**Name of clearance examiner: **Ruth Zech**License No. **Pb27150-97038**Name of property owner: **SOUTHNAVFACENGCOM** Property address **1345 Avenue G** Apt. no: **Quarters BB**Date cleanup completed: **1 March 1999** Time cleanup completed **1600**Abatement/interim control contractor name: **Environmental Detachment Charleston**Address: **1899 North Hobson Avenue** Telephone no. **843-743-6777** Check if repeat clearance examination _____

Room identifier	List all building components required to be treated in each room	Work on each Component Completed? (yes or no)	Visible paint Chips seen? (yes or no)	Visible Settled Dust seen? (yes or no)	Additional work required?
1 st Fir, Rm 1	Windows	Yes	No	No	No
1 st Fir, Rm 3	Windows, Crown Moulding, Cabinet Doors	Yes	No	No	No
Hall 1	Doors	Yes	No	No	No
Hall 3	Crown Moulding, Stair Baseboards	Yes	No	No	No
Kitchen	Windows	Yes	No	No	No
Bath 1	Walls, Ceiling, Windows & Casings	Yes	No	No	No
Porch 1	Walls/Ceiling, Door/Jambs/Casings, Screen Sash, Columns/Lattice/Trim,	Yes	No	No	No
Porch 2	Walls/Ceiling, Doors/Jambs/ Casings, Columns/Lattice/Trim	Yes	No	No	No
2 nd Fir Rm 1	Windows & Stools, Baseboards, Doors & Jambs/Casings, Crown Moulding	Yes	No	No	No
2 nd Fir Rm 2	Windows & Stools, Walls & Baseboards, Crown Moulding, Closet Walls, Ceiling & Baseboards,	Yes	No	No	No
2 nd Fir Rm 3	Doors & Jambs/Casings, Walls/Baseboards/Ceiling, Crown Moulding, Closet Walls/Baseboards/Ceiling	Yes	No	No	No
Bath 2	Windows & Stools, Doors & Jambs/Casings, Walls, Ceiling	Yes	No	No	No
Bath 3	Windows & Stools, Walls, Doors & Jambs/Casings	Yes	No	No	No
Hall 4	Windows, Ceiling, Closet Doors, Overhead Door Casing	Yes	No	No	No
Exterior	Awnings, Garage Door Jambs, Doors & Jambs/Casings, Facia/Soffit, Window Sashes/Casings, Screen Sashes, Porch Columns/Lattice/Trim, Elec Panel, Foundation Flashing	Yes	No	No	No

Exterior soil

____ Treated

 x Not treated

If treated, is bare soil present?

____ Yes

 x No

Was contaminated soil removed?

____ Yes

 x No

Is additional soil treatment required?

____ Yes

 x No**NOTES:** All windows and casings replacedSignature 

Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)Date: **15 March 1999**Name of clearance examiner: **Ruth Zech**License No. **Pb27150-97038**Name of property owner: **SOUTHNAVFACENGCOM**Property address **1311 Avenue G**Apt. No: **Quarters BB**

Clearance categories:

1. Interior treatments without containment.
2. Interior treatments with containment.
3. Exterior work on painted surfaces.
4. Routine maintenance.
5. Soil work.

Sample number	Fir	Room # or identifier	Surface type (floor, interior window sill, window trough)	Clearance Category number	Dimensions of sample area (inches)	Area (ft ²) (can be completed by lab)	Lab Results (µg/ft ²) (can be completed by lab)	Pass or Fail
99AZ-021-01	--	BLANK	BLANK	2	BLANK	BLANK	< 25 µg/ft ²	P
99AZ-021-02	1	Rm 1	Floor (Side D, in front of door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-021-03	1	Rm 1	Window Sill (Side A)	2	12" x 2-1/2"	.2	< 125 µg/ft ²	P
99AZ-021-04	1	Rm 3	Floor (Side D, in front of door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-021-05	1	Rm 3	Window Trough (Side C)	2	12" x 4"	.33	< 76 µg/ft ²	P
99AZ-021-06	2	Rm 1	Floor (Side B, in front of door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-021-07	2	Rm 1	Window Sill (Side D)	2	12" x 2-1/2"	.2	< 25 µg/ft ²	P
99AZ-021-08	2	Rm 2	Floor (Side C, in front of door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-021-09	2	Bath 2	Window Trough (Side B)	2	12" x 4"	.33	< 76 µg/ft ²	P

Total number of samples on this page **9**Page **1** of **1**Date of sample collection **3/15/1999**Date shipped to lab **3/16/1999**

Shipped by

(Signature)

Lead Hazard Control Clearance Soil Sampling Form (Composite Sampling Only)Date: **15 March 1999**Name of clearance examiner: **Ruth Zech**License No. **Pb27150-97038**Name of property owner: **SOUTHNAVFACENGCOM**Property address **1311 Avenue G**Apt. No: **Quarters BB**

Sample number	Location	Bare or covered	Lab result ($\mu\text{g/g}$)
99AZ-021-10	Side A Dripline	Bare	920 $\mu\text{g/g}$
99AZ-021-11	Side D Dripline	Bare	910 $\mu\text{g/g}$

Sketch soil sampling plot plan. Collect only the top 1/2" of soil.

Total number of samples on this page **2**Page **1** of **1**Date of sample collection **3/15/99**Date shipped to lab **3/16/1999**

Shipped by

(Signature)

A Division of Azimuth, Incorporated

9229 University Blvd.

Charleston, SC 29406

(800) 968-3565 Fax (803) 569-3282

Test Request Form

 Name ENVIRONMENTAL DETACHMENT CHARLESTON

 Address 1899 NORTH HOBSON AVE.
NORTH CHARLESTON, S.C.
29405-2106

 # ATTN: BILL HIERS

Special requests:

 Verbal results YES

 Fax report YES

 Fax # 743-9413

 Results needed by: 3/23/99

Project No.

Quakers BB

Sample Type

Lead Dust & Soil

of Samples

11

P.O. CREDIT

CARD-TOM

Contact Name

JB Lawrence / Ruz-Zech

Phone No.

743-6777 x223 or x219

Date Shipped

3/16/99

Special Instructions / Unusual Conditions / Possible Interferences:

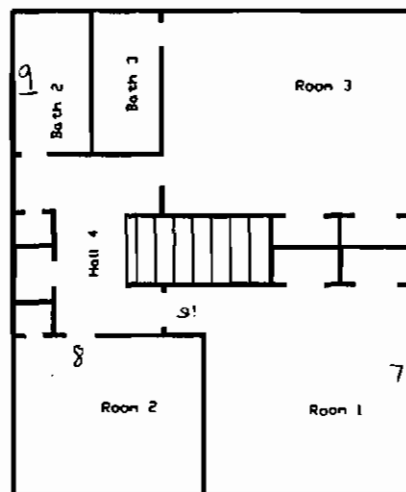
ANALYZE PER APPENDIX 14 OF HUD GUIDELINES.

Lab Use Only	Sample Number or Area	Sample Volume or Time	Date Sampled	Media Type	Analysis Requested
	✓ 99AZ-021-01	0941	3-15-99	Dust	Lead
	✓ 99AZ-021-02	0952			
	✓ 99AZ-021-03	0955			
	✓ 99AZ-021-04	1000			
	✓ 99AZ-021-05	1355			
	✓ 99AZ-021-06	1003			
	✓ 99AZ-021-07	1007			
	✓ 99AZ-021-08	1010			
	✓ 99AZ-021-09	1357		↓	
	✓ 99AZ-021-10	1015		Soil	
	✓ 99AZ-021-11	1017	✓	Soil	↓

American Industrial Hygiene Association: Laboratory Accreditation #367

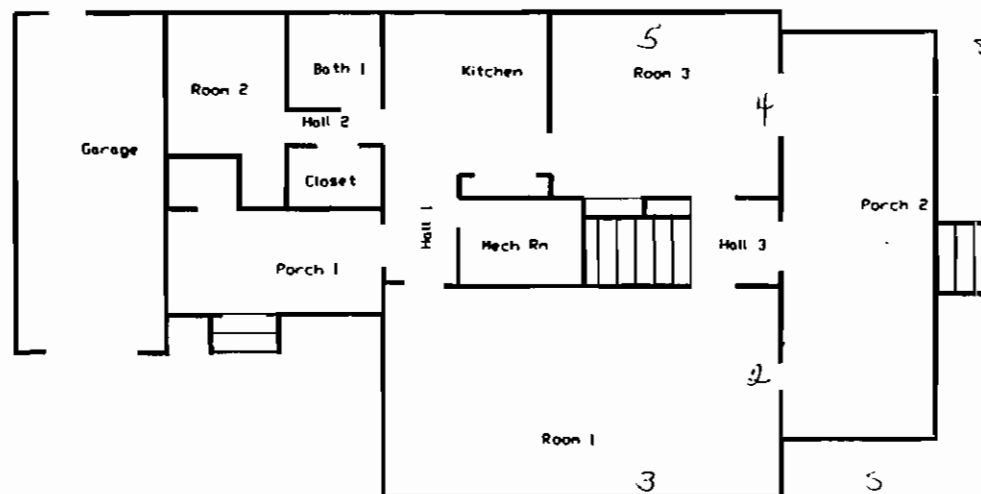
CHAIN OF CUSTODY	Relinquished by: <u>W. R. Hiers, Jr.</u>	Date/TIME: <u>3/16/99 1107</u>	Received by: <u>W. R. Hiers, Jr.</u>	Date/TIME: <u>3/16/99 1107</u>
	Relinquished by: <u>W. R. Hiers, Jr.</u>	Date/TIME: <u>3/16/99 1447</u>	Received at Lab by: <u>W. R. Hiers, Jr.</u>	Date/TIME: <u>3/16/99 1447</u>
	Method of Shipment:		Sample Condition Upon Receipt: <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)	
Authorized by: _____ Date: _____			Encl (1) Page 4 of 8	
(Client Signature Must Accompany Request)				

SIDE B



SECOND FLOOR

SIDE C



FIRST FLOOR

SIDE D

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan (Type HD-23)
1311 AVE. "G" QUARTERS (BB)
Charleston Naval Complex
Charleston, SC

DWG DATE: 12 MAR 98

DWG NAME: Qtrs-BB



CLIENT: SPORTENVDETHASN
1899 N Hobson Ave., BLDG. 30
N. Charleston, SC 29405-2106
ATTN.: Bill Hiers

Project Info: Quarters BB

Purchase Ord: Credit Card - Tom

Workorder: 9903086
Received: 3/16/99 4:12:00 PM
Received by: McGuiggan T
Validated: 3/23/99 7:41:00 AM
Validated by: McGuiggan T
Approved: 3/23/99 7:41:00 AM
Approved by: McGuiggan T

Client Sample ID: 99AZ-021-01
Azimuth ID: 9903086-01

Collection Date: 3/15/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-021-02
Azimuth ID: 9903086-02

Collection Date: 3/15/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-021-03
Azimuth ID: 9903086-03

Collection Date: 3/15/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<125 ug/ft2

Client Sample ID: 99AZ-021-04
Azimuth ID: 9903086-04

Collection Date: 3/15/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-021-05

Collection Date: 3/15/99

Azimuth ID: 9903086-05

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<76 ug/ft2

Client Sample ID: 99AZ-021-06

Collection Date: 3/15/99

Azimuth ID: 9903086-06

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-021-07

Collection Date: 3/15/99

Azimuth ID: 9903086-07

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<125 ug/ft2

Client Sample ID: 99AZ-021-08

Collection Date: 3/15/99

Azimuth ID: 9903086-08

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-021-09

Collection Date: 3/15/99

Azimuth ID: 9903086-09

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<76 ug/ft2

Client Sample ID: 99AZ-021-10

Collection Date: 3/15/99

Azimuth ID: 9903086-10

Test	Method	Sample Result
Lead	mNIOSH 7082	0.0920 % by wt

Client Sample ID: 99AZ-021-11		Collection Date: 3/15/99
Azimuth ID: 9903086-11		
Test	Method	Sample Result
Lead	mNIOSH 7082	0.0910 % by wt

Director of Laboratories: Richard D. Bennett, MSPH CIH

AIHA Laboratory ID Number: 9044

NY State ELAP Lab No. 11052

ELLAP Laboratory ID Number: 9044

The detection limit for lead on wipes and in soil is 0.50mg/L.

Final Approval: Drayton McGugan, Lab manager

Date: March 23, 1999



**LEAD-BASED PAINT ABATEMENT
QUARTERS CC
OFFICERS' HOUSING
CHARLESTON NAVAL COMPLEX
CHARLESTON, SC**



Prepared for:

**DEPARTMENT OF THE NAVY
SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON SC**



Prepared by:

**Supervisor of Shipbuilding, Conversion and Repair,
USN, (SUPSHIP) Portsmouth Va.,
Environmental Detachment Charleston, S.C.
1899 North Hobson Ave.
North Charleston, SC 29405-2106**

11 June 1999



DEPARTMENT OF THE NAVY
SUPERVISOR OF SHIPBUILDING, CONVERSION AND REPAIR, USN
PORTSMOUTH, VIRGINIA, ENVIRONMENTAL DETACHMENT CHARLESTON
1899 NORTH HOBSON AVENUE, BUILDING 30
NORTH CHARLESTON, SOUTH CAROLINA 29405-2106

IN REPLY REFER TO:

Ser: 458

JUN 16 1999

From: Director, Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va.
Environmental Detachment Charleston, SC (SPORTENVDETHASN)
To: Commanding Officer, Southern Division Naval Facilities Engineering Command
Attn: Archie Browder, Code 18B4 (SOUTHDIV)
Subj: LEAD-BASED PAINT ABATEMENT FOR QUARTERS CC, OFFICERS' HOUSING,
CHARLESTON NAVAL COMPLEX, CHARLESTON, SC

Ref: (a) U.S. Department of Housing and Urban Development (HUD) Guidelines for the
Evaluation and Control of Lead Based Paint Hazards in Housing, dated June 1995

Encl: (1) Quarters CC Clearance Sampling Results and HUD Visual Inspection Form

1. Abatement of lead-based paint (LBP) from Quarters CC located on Charleston Naval Complex is complete. The abatement was performed from 22 February 1999- 01 March 1999, by Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va., Environmental Detachment Charleston. Enclosure (1) provides the LBP Abatement Report for Quarters CC.

2. Using procedures outlined in ref (a), a SPORTENVDETHASN Certified Lead Inspector/Risk Assessor conducted clearance dust and soil sampling for Quarters CC. Azimuth Laboratories, a National Lead Laboratory Accreditation Program participant, provided analytical results of these samples. Results revealed lead levels below the following HUD Limits:

Floors	100 $\mu\text{g}/\text{ft}^2$
Interior Window Sills	500 $\mu\text{g}/\text{ft}^2$
Window Troughs	800 $\mu\text{g}/\text{ft}^2$
Soil	2000 $\mu\text{g}/\text{ft}^2$

3. If you have any questions, please contact Ruth Zech or John Lawrence at (843) 743-6777 extensions 219 or 223 respectively.

E. R. Dearhart
E. R. DEARHART

Lead Hazard Control Visual Clearance Form

Date: **17 March 1999**Name of clearance examiner: **Ruth Zech**License No. **Pb27150-97038**Name of property owner: **SOUTHNAVFACENGCOM**Property address **1305 Avenue G** Apt. No: **Quarters CC**Date cleanup completed: **01 March 1999** Time cleanup completed **1600**Abatement/interim control contractor name: **Environmental Detachment Charleston**Address: **1899 North Hobson Avenue** Telephone no. **843-743-6777** Check if repeat clearance examination _____

Room identifier	List all building components required to be treated in each room	Work on each Component Completed? (yes or no)	Visible paint Chips seen? (yes or no)	Visible Settled Dust seen? (yes or no)	Additional work required?
1 st Flr, Rm 1	Windows & Stools, Walls/Chair Rail/Crown Moulding	Yes	No	No	No
1 st Flr, Rm 2	Windows & Stools, Walls/Chair Rail/Crown Moulding	Yes	No	No	No
1 st Flr, Rm 3	Windows	Yes	No	No	No
Kitchen	Windows	Yes	No	No	No
Hall 1	Walls/Chair Rail/Crown Moulding	Yes	No	No	No
Hall 3	Walls	Yes	No	No	No
Bath 1	Windows	Yes	No	No	No
Porch 1	Columns/Lattice/Trim, Walls/Ceiling, Doors & Jambs/ Casings, Elec Panel	Yes	No	No	No
Porch 2	Walls/Ceiling, Columns/Lattice/Trim, Doors & Jambs/Casings	Yes	No	No	No
2 nd Flr Rm 1	Windows, Crown Moulding	Yes	No	No	No
2 nd Flr Rm 2	Windows & Casings	Yes	No	No	No
Bath 2	Windows	Yes	No	No	No
Bath 3	Windows	Yes	No	No	No
Hall 4	Windows, Walls/Chair Rail	Yes	No	No	No
Exterior	Awnings, Garage Door Casings, Facia/Soffit, Window Sashes/Casings, Screen Sashes	Yes	No	No	No

Exterior soil

____ Treated

☒ Not treated

If treated, is bare soil present?

____ Yes

☒ No

Was contaminated soil removed?

____ Yes

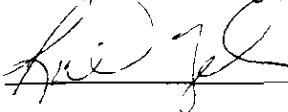
☒ No

Is additional soil treatment required?

____ Yes

☒ No**NOTES:** All windows and casings replaced

Signature



Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)Date: **17 March 1999**Name of clearance examiner: **Ruth Zech**License No. **Pb27150-97038**Name of property owner: **SOUTHNAVFACENGCOM**Property address **1305 Avenue G**Apt. No: **Quarters CC**

Clearance categories:

1. Interior treatments without containment.
2. Interior treatments with containment.
3. Exterior work on painted surfaces.
4. Routine maintenance.
5. Soil work.

Sample number	Fir	Room # or identifier	Surface type (floor, interior window sill, window trough)	Clearance Category number	Dimensions of sample area (inches)	Area (ft ²) (can be completed by lab)	Lab Results (µg/ft ²) (can be completed by lab)	Pass or Fail
99AZ-022-01	1	Hall 1	Floor (Side B, in front of door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-022-02	1	Rm 1	Window Sill (Side A)	2	12" x 2-1/2"	.2	< 25 µg/ft ²	P
99AZ-022-03	1	Rm 2	Floor (Side B, in front of door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-022-04	1	Rm 2	Window Trough (Side C)	2	12" x 4"	.33	< 140 µg/ft ²	P
99AZ-022-05	2	Rm 1	Floor (Side C, in front of door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-022-06	2	Rm 1	Window Sill (Side A)	2	12" x 2-1/2"	.2	< 25 µg/ft ²	P
99AZ-022-07	2	Rm 3	Floor (Side D in front of door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-022-08	2	Bth 3	Window Trough (Side D)	2	12" x 4"	.33	< 25 µg/ft ²	P
99AZ-022-09	--	BLANK	BLANK	2	BLANK	BLANK	< 25 µg/ft ²	P

Total number of samples on this page **9**Page **1** of **1**Date of sample collection **03/17/99**Date shipped to lab **04/16/99**

Shipped by

(Signature)

Encl (1)
Page 3 of 8



A Division of Azimuth, Incorporated

9229 University Blvd.

Charleston, SC 29406

(800) 968-3565 Fax (843) 569-8792

Test Request Form

Name Env Det Charleston

Address 1399 North Hobson Ave
North Charleston SC

ATTN: Bill Hiers 843-405-8106

Special requests:

Verbal results _____

Fax report yes

Fax # 743-9413

Results needed by: 4/21/99

Project No. Quarters CC Sample Type Lead Dust & Soil # of Samples 11 P.O. CREDIT CARD
TOM

Contact Name Bill Hiers Phone No. 743-6777 Date Shipped 4/14/99

Special Instructions / Unusual Conditions / Possible Interferences:

Analyze per appendix 14 of HUD Guidelines

Lab Use Only	Sample Number or Area	Sample Volume or Time	Date Sampled	Media Type	Analysis Requested
	99AZ-022-01		3-15-99	Dust	Lead
	99AZ-022-02		3-15-99	Dust	Lead
	99AZ-022-03		3-15-99	Dust	Lead
	99AZ-022-04		3-15-99	Dust	Lead
	99AZ-022-05		3-15-99	Dust	Lead
	99AZ-022-06		3-15-99	Dust	Lead
	99AZ-022-07		3-15-99	Dust	Lead
	99AZ-022-08		3-15-99	Dust	Lead
	99AZ-022-09		3-15-99	Dust	Lead
✓	99AZ-022-10		4-13-99	(GRAB) SOIL	Lead
✓	99AZ-022-11		4-13-99	(GRAB) SOIL	Lead

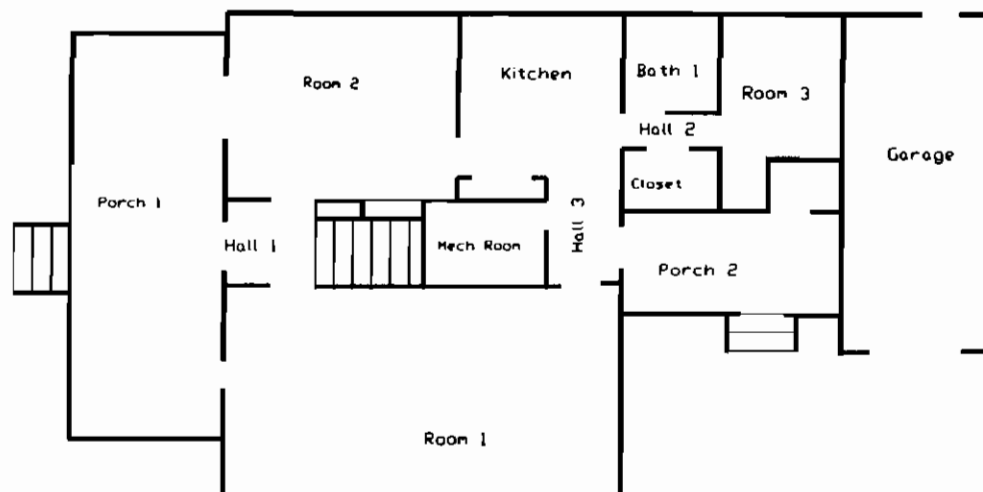
American Industrial Hygiene Association: Laboratory Accreditation #367

CHAIN OF CUSTODY	Relinquished by: <u>W.R. Hiers, Jr.</u>	Date: <u>4/13/99</u>	Received by: <u>W.R. Hiers, Jr.</u>	Date/Time: <u>4/13/99 1508</u>
	Relinquished by: <u>W.R. Hiers, Jr.</u>	Date: <u>4/13/99</u>	Received at Lab by: <u>W.R. Hiers, Jr.</u>	Date/Time: <u>4/14/99 1030</u>
	Method of Shipment: <u>11</u>	Sample Condition Upon Receipt: <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain) _____	Encl (1)	
Authorized by: _____ Date: _____ (Client Signature Must Accompany Request)			Page 4 of 8	

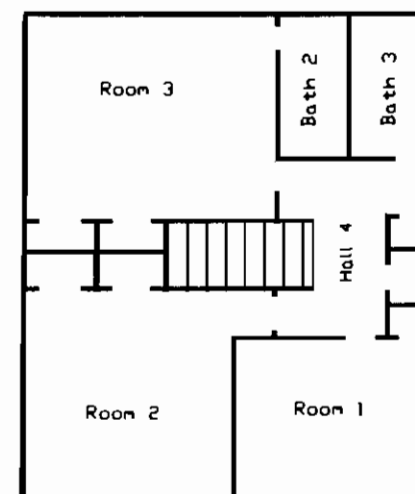
SIDE B

SIDE C

SIDE D



FIRST FLOOR



SECOND FLOOR

SIDE A

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan (Type HD-23)
1305 AVE. "G" QUARTERS (CC)
Charleston Naval Complex
Charleston, SC

DWG DATE: 12 MAR 98

DWG NAME: Qtrs-CC



CLIENT: SPORTEINDETCHASN
1899 N Hobson Ave., BLDG. 30
N. Charleston, SC 29405-2106
ATTN.: Bill Hiers

Project Info: Quarters CC

Purchase Ord: Credit Card-Tom

Workorder: 9904088
Received: 4/14/99 11:25:00 AM
Received by: McGuiggan T
Validated: 4/20/99 11:38:00 AM
Validated by: McGuiggan T
Approved: 4/20/99 11:38:00 AM
Approved by: McGuiggan T

Client Sample ID: 99AZ-022-01
Azimuth ID: 9904088-01

Collection Date: 3/15/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug

Client Sample ID: 99AZ-022-02
Azimuth ID: 9904088-02

Collection Date: 3/15/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug

Client Sample ID: 99AZ-022-03
Azimuth ID: 9904088-03

Collection Date: 3/15/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug

Client Sample ID: 99AZ-022-04
Azimuth ID: 9904088-04

Collection Date: 3/15/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	140 ug

Printed 4/20/99

Page 1 of 3

A Division of Azimuth, Incorporated

9229 University Blvd. ▲ Charleston, South Carolina 29406 ▲ (800) 968-3565 toll-free ▲ (843) 553-9456 ▲

Encl (1)
Page 6 of 8

Client Sample ID: 99AZ-022-05
Azimuth ID: 9904088-05

Collection Date: 3/15/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug

Client Sample ID: 99AZ-022-06
Azimuth ID: 9904088-06

Collection Date: 3/15/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug

Client Sample ID: 99AZ-022-07
Azimuth ID: 9904088-07

Collection Date: 3/15/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug

Client Sample ID: 99AZ-022-08
Azimuth ID: 9904088-08

Collection Date: 3/15/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug

Client Sample ID: 99AZ-022-09
Azimuth ID: 9904088-09

Collection Date: 3/15/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug

Client Sample ID: 99AZ-022-10
Azimuth ID: 9904088-10

Collection Date: 4/13/99

Test	Method	Sample Result
Lead	mNIOSH 7082	0.1914 % by wt

Client Sample ID: 99AZ-022-11

Collection Date: 4/13/99

Azimuth ID: 9904088-11

Test	Method	Sample Result
Lead	mNIOSH 7082	0.0788 % by wt

Director of Laboratories: Richard D. Bennett, MSPH CIH

AIHA Laboratory ID Number: 9044

NY State ELAP Lab No 11052

ELLAP Laboratory ID Number: 9044

The detection limit for Lead on wipes and in soil is 0.50mg/L.

Final Approval:

Jocya Myruggun, Lab manager

Date:

April 20, 1999



**LEAD-BASED PAINT ABATEMENT
QUARTERS FF
OFFICERS' HOUSING
CHARLESTON NAVAL COMPLEX
CHARLESTON, SC**



Prepared for:

**DEPARTMENT OF THE NAVY
SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON SC**



Prepared by:

**Supervisor of Shipbuilding, Conversion and Repair,
USN, (SUPSHIP) Portsmouth Va.,
Environmental Detachment Charleston, S.C.
1899 North Hobson Ave.
North Charleston, SC 29405-2106**

11 June 1999



DEPARTMENT OF THE NAVY
SUPERVISOR OF SHIPBUILDING, CONVERSION AND REPAIR, USN
PORTSMOUTH, VIRGINIA ENVIRONMENTAL DETACHMENT CHARLESTON
899 NORTH HOBSON AVENUE BUILDING 30
NORTH CHARLESTON, SOUTH CAROLINA 29405-2106

IN REPLY REFER TO

Ser: 459

JUN 16 1999

From: Director, Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va.
Environmental Detachment Charleston, SC (SPORTENVDETHASN)
To: Commanding Officer, Southern Division Naval Facilities Engineering Command
Attn: Archie Browder, Code 18B4 (SOUTHDIR)
Subj: LEAD-BASED PAINT ABATEMENT FOR QUARTERS FF, OFFICERS' HOUSING,
CHARLESTON NAVAL COMPLEX, CHARLESTON, SC
Ref: (a) U.S. Department of Housing and Urban Development (HUD) Guidelines for the
Evaluation and Control of Lead Based Paint Hazards in Housing, dated June 1995
Encl: (1) Quarters FF Clearance Sampling Results and HUD Visual Inspection Form

1. Abatement of lead-based paint (LBP) from Quarters FF located on Charleston Naval Complex is complete. The abatement was performed from 23 November 1998- 21 January 1999, by Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va., Environmental Detachment Charleston. Enclosure (1) provides the LBP Abatement Report for Quarters FF.

2. Using procedures outlined in ref (a), a SPORTENVDETHASN Certified Lead Inspector/ Risk Assessor conducted clearance dust and soil sampling for Quarters FF. Azimuth Laboratories, a National Lead Laboratory Accreditation Program participant, provided analytical results of these samples. Results revealed lead levels below the following HUD Limits:

Floors	100 $\mu\text{g}/\text{ft}^2$
Interior Window Sills	500 $\mu\text{g}/\text{ft}^2$
Window Troughs	800 $\mu\text{g}/\text{ft}^2$
Soil	2000 $\mu\text{g}/\text{ft}^2$

3. If you have any questions, please contact Ruth Zech or John Lawrence at (843) 743-6777 extensions 219 or 223 respectively.

E. R. Dearhart
E. R. DEARHART

Lead Hazard Control Visual Clearance Form

Date: 26 January, 1999Name of clearance examiner: John LawrenceLicense No. Pb27150-97023Name of property owner: SOUTHNAVFACENGCOM Property address 1288 Avenue H Apt. no: Quarters FFDate cleanup completed 21 January 1999 Time cleanup completed 1600Abatement/interim control contractor name: Environmental Detachment CharlestonAddress: 1899 North Hobson Avenue Telephone no. 843-743-6777 Check if repeat clearance examination _____

Room identifier	List all building components required to be treated in each room	Work on each Component completed? (yes or no)	Visible paint Chips seen? (yes or no)	Visible Settled Dust seen? (yes or no)	Additional work required?
1 st Flr, Rm 1	Windows	Yes	No	No	No
1 st Flr, Rm 2	Windows	Yes	No	No	No
1 st Flr, Rm 3	Windows, Doors	Yes	No	No	No
Hall 1	Doors	Yes	No	No	No
Hall 3	Doors	Yes	No	No	No
Bath 1	Windows	Yes	No	No	No
Porch 1	Columns/Lattice/Trim, Walls Doors Jambs/Casings, Ceiling	Yes	No	No	No
Porch 2	Columns/Lattice/Trim, Walls Doors Jambs/Casings, Ceiling	Yes	No	No	No
2 nd Flr, Rm 1	Windows	Yes	No	No	No
2 nd Flr, Rm 3	Windows	Yes	No	No	No
Bath 2	Windows	Yes	No	No	No
Bath 3	Windows	Yes	No	No	No

Exterior soil

____ Treated x Not treated

If treated, is bare soil present?

____ Yes x No

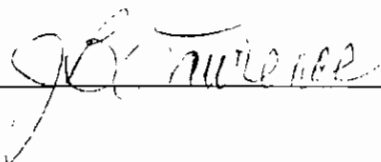
Was contaminated soil removed?

____ Yes x No

Is additional soil treatment required?

____ Yes x No**NOTES:** All windows and casings replaced

Signature



Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)Date: **26 January 1999**Name of clearance examiner: **John Lawrence**License No. **Pb27150-97023**Name of property owner: **SOUTHNAVFACENGCOM** Property address **1288 Avenue H** Apt. No: **Quarters FF**

Clearance categories:

1. Interior treatments without containment.
2. Interior treatments with containment.
3. Exterior work on painted surfaces.
4. Routine maintenance.
5. Soil work.

Sample number	Fir	Room # or identifier	Surface type (floor, interior window sill, window trough)	Clearance Category number	Dimensions of sample area (inches)	Area (ft ²) (can be completed by lab)	Lab Results (µg/ft ²) (can be completed by lab)	Pass or Fail
99AZ-009-1	1	Hall 1	Floor (Side B, in front of door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-009-2	1	Rm 1	Window Sill (Side B)	2	12" x 2-1/2"	.2	< 125 µg/ft ²	P
99AZ-009-3	1	Rm 3	Floor (Side B)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-009-4	1	Rm 3	Window Trough (Side C)	2	12" x 4"	.33	< 75 µg/ft ²	P
99AZ-009-5	2	Rm 3	Floor (Side B, in front of door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-009-6	2	Rm 3	Window Sill (Side D)	2	12" x 2-1/2"	.2	< 125 µg/ft ²	P
99AZ-009-7	2	Rm 1	Floor (Side B)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-009-8	2	Rm 1	Window Trough (Side D)	2	12" x 4"	.33	< 75 µg/ft ²	P
99AZ-009-9	--	BLANK	BLANK	2	BLANK	BLANK	< 25 µg/ft ²	P

Total number of samples on this page **9**Page **1** of **1**Date of sample collection **01/26/99**Date shipped to lab **01/26/99**

Shipped by

(Signature)

Lead Hazard Control Clearance Soil Sampling Form (Composite Sampling Only)

Date: 26 January, 1999

Name of clearance examiner: **John Lawrence**

License No. **Pb27150-97023**

Name of property owner: **SOUTHNAVFACENGCOM** Property address **1288 Avenue H** Apt. No: **Quarters FF**

[illegible]

Sketch soil sampling plot plan. Collect only the top 1/2" of soil.

Total number of samples on this page 2

Page 1 of 1

Date of sample collection **1/26/99**

Date shipped to lab 1/26/99

Shipped by

(Signature)

A Division of Azimuth, Incorporated

9229 University Blvd.

Charleston, SC 29406

(800) 968-3565 Fax (803) 569-3282

Test Request Form

 Name Bill Hiers
 Address 1899 NORTH HOBSON AVE.
NORTH CHARLESTON, S.C.
29405-2106

Special requests:

Verbal results _____

 Fax report YES

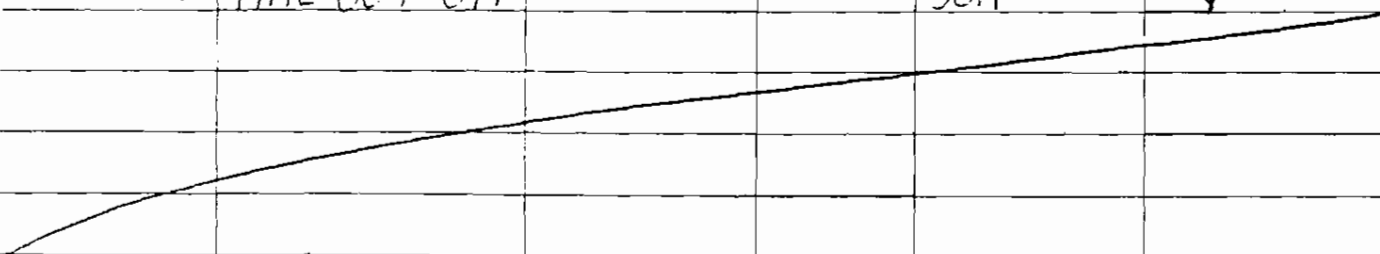
 Fax # 743-9413

 Results needed by: 2/10/99

 Project No. Quarters FF Sample Type Dust wipe & Soil (Lead) # of Samples 11 P.O. Credit CARD - Tom

 Contact Name Ron Zech Phone No. 743-6777 EXT. 219 Date Shipped 1/27/99

 Special Instructions / Unusual Conditions / Possible Interferences:
ANALYZE PER APPENDIX 14 OF HUD GUIDELINES.

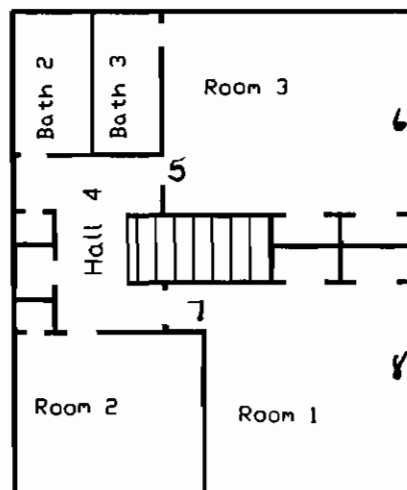
Lab Use Only	Sample Number or Area	Sample Volume or Time	Date Sampled	Media Type	Analysis Requested
	✓ 99AZ-009-01 ✓			Dust Wipe	Lead
	✓ 99AZ-009-02 ✓				
	✓ 99AZ-009-03 ✓				
	✓ 99AZ-009-04 ✓				
	✓ 99AZ-009-05 ✓				
	✓ 99AZ-009-06 ✓				
	✓ 99AZ-009-07 ✓				
	✓ 99AZ-009-08 ✓				
	✓ 99AZ-009-09 ✓			↓	
	✓ 99AZ-009-010 ✓			Soil	
	✓ 99AZ-009-011 ✓			Soil	↓
					

American Industrial Hygiene Association: Laboratory Accreditation #367

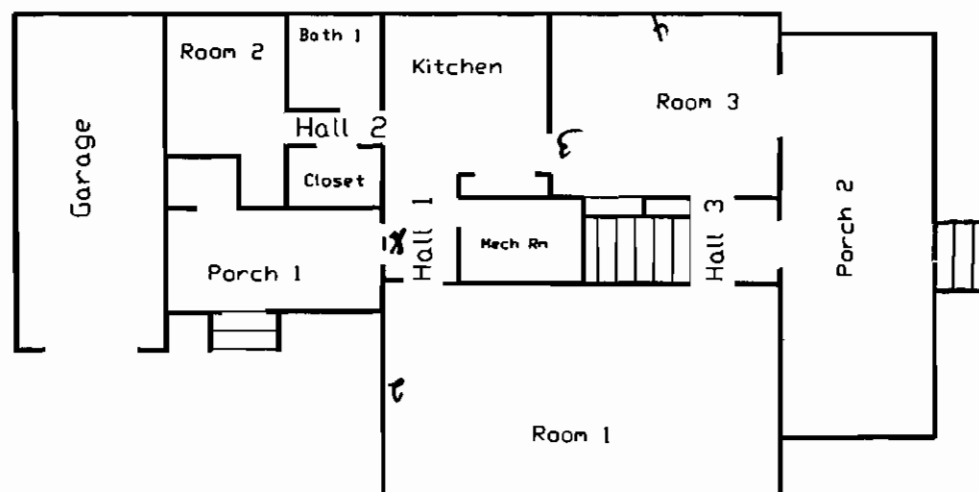
CUSTODY	Relinquished by: <u>[Signature]</u>	Date/Time: <u>1/27/99 1510</u>	Received by: <u>[Signature]</u>	Date/Time: <u>1/27/99 1515</u>
	Relinquished by: <u>[Signature]</u>	Date/Time: <u>1/27/99 1125</u>	Received at Lab by: <u>[Signature]</u>	Date/Time: <u>1/27/99 1110</u>
	Method of Shipment: _____		Sample Condition Upon Receipt: <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain) _____	
Authorized by: <u>[Signature]</u>		Date: <u>1/27/99</u>		Encl (1) Page 4 of 8

Side C

Side B



SECOND FLOOR



FIRST FLOOR

Side D

Side A

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan (Type HD-23)
1288 AVE. "H" QUARTERS (FF)
Charleston Naval Complex
Charleston, SC

DWG DATE: 14 Apr 98

DWG NAME: Q+H-S-FF



CLIENT: SPORTENVDETHASN
1899 N Hobson Ave., BLDG. 30
N. Charleston, SC 29405-2106
ATTN.: Ruth Zech

Project Info: Quarters FF

Purchase Ord: Credit Card-Tom

Workorder: 9901104
Received: 1/27/99 11:50:00 AM
Received by: McGuiggan T
Validated: 2/2/99 3:54:00 PM
Validated by: McGuiggan T
Approved: 2/2/99 3:54:00 PM
Approved by: McGuiggan T

Client Sample ID: 99AZ-009-01 Azimuth ID: 9901104-01		Collection Date: 1/26/99
Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-009-02 Azimuth ID: 9901104-02		Collection Date: 1/26/99
Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-009-03 Azimuth ID: 9901104-03		Collection Date: 1/26/99
Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-009-04 Azimuth ID: 9901104-04		Collection Date: 1/26/99
Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-009-05 Collection Date: 1/26/99
Azimuth ID: 9901104-05

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-009-06 Collection Date: 1/26/99
Azimuth ID: 9901104-06

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-009-07 Collection Date: 1/26/99
Azimuth ID: 9901104-07

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-009-08 Collection Date: 1/26/99
Azimuth ID: 9901104-08

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-009-09 Collection Date: 1/26/99
Azimuth ID: 9901104-09

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-009-010 Collection Date: 1/26/99
Azimuth ID: 9901104-10

Test	Method	Sample Result
Lead	mNIOSH 7082	0.0470 % by wt

Client Sample ID: 99AZ-009-011

Collection Date: 1/26/99

Azimuth ID: 9901104-11

Test	Method	Sample Result
Lead	mNIOSH 7082	0.0536 % by wt

Director of Laboratories: Richard D. Bennett, MSPH CIH

AIHA Laboratory ID Number: 9044

NY State ELAP Lab No. 11052

ELLAP Laboratory ID Number: 9044

The detection limit for Lead on wipes and Lead in soil is 0.5mg/L. A surface area was not given with the wipes; therefore, one square foot (1ft²) was assumed.

Final Approval: Douglas McGuggan, Lab manager

Date: February 3, 1999



**LEAD-BASED PAINT ABATEMENT
QUARTERS GG
OFFICERS' HOUSING
CHARLESTON NAVAL COMPLEX
CHARLESTON, SC**



Prepared for:

**DEPARTMENT OF THE NAVY
SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON SC**



Prepared by:

**Supervisor of Shipbuilding, Conversion and Repair,
USN, (SUPSHIP) Portsmouth Va.,
Environmental Detachment Charleston, S.C.
1899 North Hobson Ave.
North Charleston, SC 29405-2106**

11 June 1999



DEPARTMENT OF THE NAVY
SUPERVISOR OF SHIPBUILDING, CONVERSION AND REPAIR, USN
PORTSMOUTH, VIRGINIA, ENVIRONMENTAL DETACHMENT CHARLESTON
1899 NORTH HOBSON AVENUE, BUILDING 30
NORTH CHARLESTON, SOUTH CAROLINA 29405-2106

IN REPLY REFER TO:

Ser: 460

JUN 16 1999

From: Director, Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va.
Environmental Detachment Charleston, SC (SPORTENVDETHASN)
To: Commanding Officer, Southern Division Naval Facilities Engineering Command
Attn: Archie Browder, Code 18B4 (SOUTHDIV)
Subj: LEAD-BASED PAINT ABATEMENT FOR QUARTERS GG, OFFICERS' HOUSING,
CHARLESTON NAVAL COMPLEX, CHARLESTON, SC

Ref: (a) U.S. Department of Housing and Urban Development (HUD) Guidelines for the
Evaluation and Control of Lead Based Paint Hazards in Housing, dated June 1995

Encl: (1) Quarters GG Clearance Sampling Results and HUD Visual Inspection Form

1. Abatement of lead-based paint (LBP) from Quarters GG located on Charleston Naval Complex is complete. The abatement was performed from 20 December 1998- 22 January 1999, by Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va., Environmental Detachment Charleston. Enclosure (1) provides the LBP Abatement Report for Quarters GG.

2. Using procedures outlined in ref (a), a SPORTENVDETHASN Certified Lead Inspector/Risk Assessor conducted clearance dust and soil sampling for Quarters GG. Azimuth Laboratories, a National Lead Laboratory Accreditation Program participant, provided analytical results of these samples. Results revealed lead levels below the following HUD Limits:

Floors	100 $\mu\text{g}/\text{ft}^2$
Interior Window Sills	500 $\mu\text{g}/\text{ft}^2$
Window Troughs	800 $\mu\text{g}/\text{ft}^2$
Soil	2000 $\mu\text{g}/\text{ft}^2$

3. If you have any questions, please contact Ruth Zech or John Lawrence at (843) 743-6777 extensions 219 or 223 respectively.


E. R. DEARHART

Lead Hazard Control Visual Clearance FormDate: 25 January 1999Name of clearance examiner: John LawrenceLicense No. Pb27150-97023Name of property owner: SOUTHNAVFACENGCOM Property address 1294 Avenue G Apt. No: Quarters GGDate cleanup completed 22 January 1999 Time cleanup completed 1600Abatement/interim control contractor name: Environmental Detachment CharlestonAddress: 1899 North Hobson Avenue Telephone no. 843-743-6777 Check if repeat clearance examination _____

Room identifier	List all building components required to be treated in each room	Work on each Component completed? (yes or no)	Visible paint Chips seen? (yes or no)	Visible Settled Dust seen? (yes or no)	Additional work required?
1 st Flr, Rm 1	Windows & Valance	Yes	No	No	No
1 st Flr, Rm 2	Valance	Yes	No	No	No
1 st Flr, Kitchen	Windows	Yes	No	No	No
Hall 1	Door Jamb	Yes	No	No	No
Bath 1	Windows & Window Casing	Yes	No	No	No
Porch 1	Columns/Lattice/Trim, Ceiling	Yes	No	No	No
Porch 2	Columns/Lattice/Trim, Ceiling	Yes	No	No	No
2 nd Flr Rm 1	Windows & Window Stools	Yes	No	No	No
2 nd Flr Rm 2	Windows, Door Jambs/Casings	Yes	No	No	No
Bath 2	Windows	Yes	No	No	No
Bath 4	Windows	Yes	No	No	No
Hall 4	Windows, Ceiling, Ceiling Fan Casing	Yes	No	No	No

Exterior soil

____ Treated X Not treated

If treated, is bare soil present?

____ Yes X No

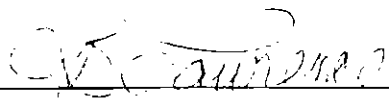
Was contaminated soil removed?

____ Yes X No

Is additional soil treatment required?

____ Yes X No**NOTES:** All windows and casings replaced

Signature



Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)Date: **26 January 1999**Name of clearance examiner: **John Lawrence**License No. **Pb27150-97023**Name of property owner: **SOUTHNAVFACENGCOM** Property address **1294 Avenue H** Apt. no: **Quarters GG**

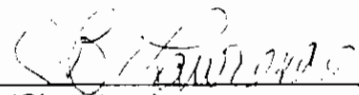
Clearance categories:

1. Interior treatments without containment.
2. Interior treatments with containment.
3. Exterior work on painted surfaces.
4. Routine maintenance.
5. Soil work.

Sample number	Fir	Room # or identifier	Surface type (floor, interior window sill, window trough)	Clearance Category number	Dimensions of sample area (inches)	Area (ft ²) (can be completed by lab)	Lab Results (µg/ft ²) (can be completed by lab)	Pass or Fail
99AZ-010-1	1	Rm 1	Floor (Side C, by door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-010-2	1	Rm 1	Window Sill (Side D)	2	12" x 2-1/2"	.2	< 125 µg/ft ²	P
99AZ-010-3	1	Kitchen	Floor (Side B, by door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-010-4	1	Rm 2	Window Trough (Side C)	2	12" x 4"	.33	< 75 µg/ft ²	P
99AZ-010-5	2	Rm 3	Floor (Side D, by entry Door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-010-6	2	Rm 3	Window Sill (Side B)	2	12" x 2-1/2"	.2	< 125 µg/ft ²	P
99AZ-010-7	2	Rm 1	Floor (Side C, by Door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-010-8	2	Rm 1	Window Trough (Side D)	2	12" x 4"	.33	< 75 µg/ft ²	P
99AZ-010-9	--	BLANK	BLANK	2	BLANK	BLANK	< 25 µg/ft ²	P

Total number of samples on this page **9**Page **1** of **1**Date of sample collection **1/26/1999**Date shipped to lab **1/26/99**

Shipped by


 (Signature)

Lead Hazard Control Clearance Soil Sampling Form (Composite Sampling Only)Date: **25 January, 1999**Name of clearance examiner: **John Lawrence**License No. **Pb27150-97023**Name of property owner: **SOUTHNAVFACENGCOM** Property address **1294 Avenue H** Apt. no: **Quarters GG**

Sample number	Location	Bare or covered	Lab result (µg/g)
99AZ-010-10	Side A Dripline	Bare	269 µg/g
99AZ-010-11	Side B Dripline	Bare	305 µg/g

Sketch soil sampling plot plan. Collect only the top 1/2" of soil.

Total number of samples on this page **2**Page **1** of **1**Date of sample collection **1/26/99**Date shipped to lab **1/26/99**

Shipped by

(Signature)



Encl (1)
Page 4 of 8



CLIENT: SPORTENVDETHASN
1899 N Hobson Ave., BLDG. 30
N. Charleston, SC 29405-2106
ATTN.: John Lawrence

Project Info: Quarters GG

Purchase Ord: Credit Card-Tom

Workorder: 9901105
Received: 1/27/99 11:50:00 AM
Received by: McGuiggan T
Validated: 2/2/99 3:50:00 PM
Validated by: McGuiggan T
Approved: 2/2/99 3:50:00 PM
Approved by: McGuiggan T

Client Sample ID: 99AZ-010-01 Azimuth ID: 9901105-01		Collection Date: 1/26/99
Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-010-02 Azimuth ID: 9901105-02		Collection Date: 1/26/99
Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-010-03 Azimuth ID: 9901105-03		Collection Date: 1/26/99
Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-010-04 Azimuth ID: 9901105-04		Collection Date: 1/26/99
Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-010-05		Collection Date: 1/26/99
Azimuth ID: 9901105-05		
Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-010-06		Collection Date: 1/26/99
Azimuth ID: 9901105-06		
Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-010-07		Collection Date: 1/26/99
Azimuth ID: 9901105-07		
Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-010-08		Collection Date: 1/26/99
Azimuth ID: 9901105-08		
Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-010-09		Collection Date: 1/26/99
Azimuth ID: 9901105-09		
Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-010-10		Collection Date: 1/26/99
Azimuth ID: 9901105-10		
Test	Method	Sample Result
Lead	mNIOSH 7082	0.0269 % by wt

Client Sample ID: 99AZ-010-11

Collection Date: 1/26/99

Azimuth ID: 9901105-11

Test	Method	Sample Result
Lead	mNIOSH 7082	0.0305 % by wt

Director of Laboratories: Richard D. Bennett, MSPH CIH

AIHA Laboratory ID Number: 9044

NY State ELAP Lab No 11052

ELLAP Laboratory ID Number: 9044

The detection limit for Lead on wipes and Lead in soil is 0.5mg/L. A surface area was not indicated for the wipes; therefore, one square foot (1ft²) was assumed.

Final Approval:

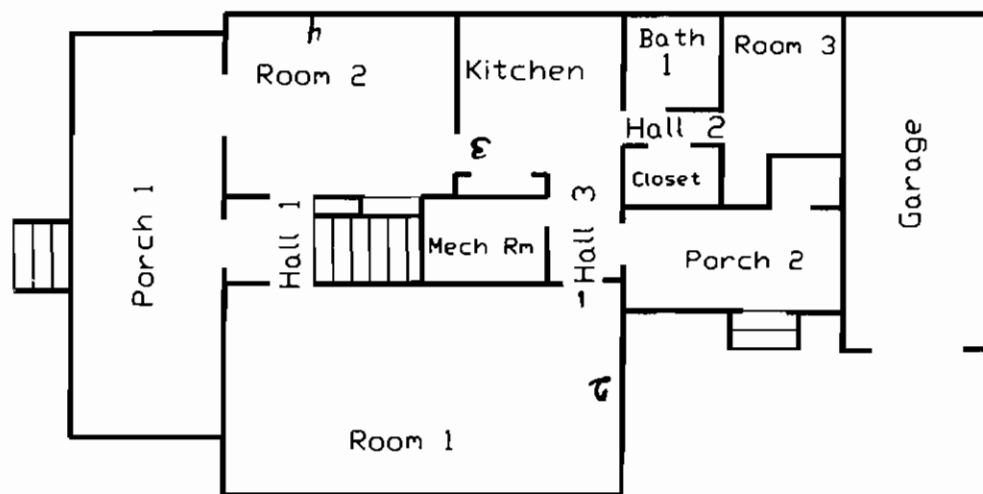
Debra McGuigan, Lab manager

Date:

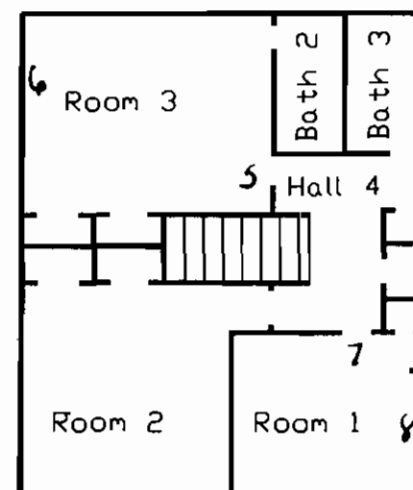
February 3, 1999

Side B

Side C



FIRST FLOOR



SECOND FLOOR

Side D

Side A

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan (Type HD-23)
1294 AVE. "H" QUARTERS (GG)
Charleston Naval Complex
Charleston, SC

DWG DATE: 14 Apr 98

DWG NAME: Qtrs-GG



**LEAD-BASED PAINT ABATEMENT
QUARTERS HH
OFFICERS' HOUSING
CHARLESTON NAVAL COMPLEX
CHARLESTON, SC**



Prepared for:

**DEPARTMENT OF THE NAVY
SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON SC**



Prepared by:

**Supervisor of Shipbuilding, Conversion and Repair,
USN, (SUPSHIP) Portsmouth Va.,
Environmental Detachment Charleston, S.C.
1899 North Hobson Ave.
North Charleston, SC 29405-2106**

11 June 1999



DEPARTMENT OF THE NAVY
SUPERVISOR OF SHIPBUILDING, CONVERSION AND REPAIR, USN
PORTSMOUTH, VIRGINIA, ENVIRONMENTAL DETACHMENT CHARLESTON
1899 NORTH HOBSON AVENUE, BUILDING 30
NORTH CHARLESTON, SOUTH CAROLINA 29405-2106

IN REPLY REFER TO

Ser: 445

JUN 16 1999

From: Director, Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va.
Environmental Detachment Charleston, SC (SPORTENVDETHASN)
To: Commanding Officer, Southern Division Naval Facilities Engineering Command
Attn: Archie Browder, Code 18B4 (SOUTHDIV)
Subj: LEAD-BASED PAINT ABATEMENT FOR QUARTERS HH, OFFICERS' HOUSING,
CHARLESTON NAVAL COMPLEX, CHARLESTON, SC
Ref: (a) U.S. Department of Housing and Urban Development (HUD) Guidelines for the
Evaluation and Control of Lead Based Paint Hazards in Housing, dated June 1995
Encl: (1) Quarters HH Clearance Sampling Results and HUD Visual Inspection Form

1. Abatement of lead-based paint (LBP) from Quarters HH located on Charleston Naval Complex is complete. The abatement was performed from 9 June 1998- 16 November 1998, by Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va., Environmental Detachment Charleston. Enclosure (1) provides the LBP Abatement Report for Quarters HH.

2. Using procedures outlined in ref (a), a SPORTENVDETHASN Certified Lead Inspector/Risk Assessor conducted clearance dust and soil sampling for Quarters HH. Azimuth Laboratories, a National Lead Laboratory Accreditation Program participant, provided analytical results of these samples. Initial samples tested above the HUD lead levels. Quarters HH was recleaned and resampled per HUD Guidelines. Second sampling results revealed lead levels below the following HUD Limits:

Floors	100 $\mu\text{g}/\text{ft}^2$
Interior Window Sills	500 $\mu\text{g}/\text{ft}^2$
Window Troughs	800 $\mu\text{g}/\text{ft}^2$
Soil	2000 $\mu\text{g}/\text{ft}^2$

3. If you have any questions, please contact Ruth Zech or John Lawrence at (843) 743-6777 extensions 219 or 223 respectively.

E. R. Dearhart
E. R. DEARHART

Chapter 15: Clearance

Form 15.1

Lead Hazard Control Visual Clearance Form

Date 10/6/98

Name of clearance examiner J. B. LAWRENCE

License no. (if applicable) Pb 27150-97023

Name of property owner US NAVY

Property address 1304 AVE. "H" CNC Apt. no. HH

Date cleanup completed 10/5/98

Time cleanup completed 10:00

Abatement/interim control contractor name ENVIRONMENTAL DETACHMENT CHARLESTON

Address 1899 NORTH HOSSAN AVE, NORTH CHARLESTON, SC 2940

Telephone no. (843) 743-6777

Check if repeat clearance examination ☐

Room identifier	List all building components required to be treated in each room	Work on each component completed? (yes or no)	Visible paint chips seen? (yes or no)	Visible settled dust seen? (yes or no)	Additional work required?
Floor 1 RM1	DOORS, WINDOWS, WALLS, CEILING	YES	No	No	No
Floor 1 RM2	DOORS, WINDOWS, WALLS, CEILING	YES	No	No	No
Floor 1 RM3	DOORS, WINDOWS, WALLS, CEILING	YES	No	No	No
Floor 1 RM4	WINDOW	YES	No	No	No
Floor 1 Kitchen	WINDOW	YES	No	No	No
Floor 1 Hall 1	WALLS	YES	No	No	No
Floor 1 Hall 2	PAINTED	YES	No	No	No
Floor 1 Hall 3	WALLS, CLOSET, CEILING	YES	No	No	No
Floor 2 RM1	DOORS, WINDOWS, WALLS, CEILING, CLOSETS	YES	No	No	No
Floor 2 RM2	DOORS, WINDOWS, WALLS, CEILING, CLOSET	YES	No	No	No
Floor 2 RM3	DOORS, WINDOWS, WALLS, CEILING, CLOSETS	YES	No	No	No

Exterior soil ☐ Treated ☒ Not treated

If treated, is bare soil present? ☐ Yes ☐ No

Was contaminated soil removed? ☐ Yes ☒ No

Is additional soil treatment required? ☐ Yes ☒ No

NOTES:

Signature J. B. Lawrence 10/6/98

Chapter 15: Clearance

Form 15.1 Lead Hazard Control Visual Clearance Form

Date 10/6/98
 Name of clearance examiner J B LAWRENCE
 License no. (if applicable) PE 27150-97023
 Name of property owner US NAVY
 Property address 1304 AVE "H" CNC Apt. no. HH
 Date cleanup completed 10/5/98
 Time cleanup completed 1000
 Abatement/interim control contractor name ENVIRONMENTAL DETACHMENT CHARLESTON
 Address 1899 NORTH HOBSON AVE, NORTH CHARLESTON, SC 29405
 Telephone no. (843) 743-6777
 Check if repeat clearance examination

Room identifier	List all building components required to be treated in each room	Work on each component completed? (yes or no)	Visible paint chips seen? (yes or no)	Visible settled dust seen? (yes or no)	Additional work required?
Floor 2 Btm 2	WINDOW	YES	No	No	No
Floor 2 Btm 3	WINDOW	YES	No	No	No
Floor 2 Hall 4	WALLS, CLOSET, CEILING, STAIRWELL	YES	No	No	No
PORCH 1	DOORS, CEILING, COLUMNS	YES	No	No	No
PORCH 2	DOORS, WALLS, CEILING	YES	No	No	No

Exterior soil Treated X Not treated
 If treated, is bare soil present? Yes No
 Was contaminated soil removed? Yes X No
 Is additional soil treatment required? Yes X No

NOTES:

Signature J B Lawrence 10/6/98

Chapter 15: Clearance

Form 15.2

Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)

Date 10/6/98

Name of clearance examiner JB LAWRENCE

License no. (if applicable) PB 27150 - 97023

Name of property owner US NAVY

Property address 1304 AVE "H" CMC Apt. no. HH

Clearance categories:

1. Interior treatments without containment.
- ☒ 2. Interior treatments with containment.
- ☒ 3. Exterior work on painted surfaces.
4. Routine maintenance.
5. Soil work.

Sample number	Room number or identifier	Surface type (floor, interior window sill, window trough)	Clearance category number	Dimensions of sample area (inches)	Area (ft ²) (can be completed by lab)	Result of lab analysis (µg/ft ²) (can be completed by lab)	Pass or Fail
99AZ-001-1	RM3 FL1	FLOOR ^{BY DOOR}	2	12" x 12"	1	<25	P
99AZ-001-2	RM3 FL1	WINDOW SILL	2	24" x 12"	.1875	133	P
99AZ-001-3	RM1 FL1	FLOOR ^{BY DOOR}	2	12" x 12"	1	51	P
99AZ-001-4	RM1 FL1	WINDOW SILL	2	24" x 12"	.1875	139	P
99AZ-001-5	BLANK					<25	P
99AZ-001-6	RM3 FL2	FLOOR ^{BY ENTRY}	2	12" x 12"	1	<25	P
99AZ-001-7	RM3 FL2	WINDOW ⁴ TROUGH	2	4 1/2" x 12"	.375	1139	F
99AZ-001-8	RM2 FL2	FLOOR ^{BY DOOR}	2	12" x 12"	1	<25	P
99AZ-001-9	RM2 FL2	WINDOW TROUGH	2	4 1/2" x 12"	.375	515	P

Total number of samples on this page 9

Page 1 of 2

Date of sample collection 10/06/98 Date shipped to lab 10/07/98

Shipped by JB Lawrence (Signature) Received by W.R. Hines (Signature)

Chapter 15: Clearance

Form 15.2

Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)

Date 10/6/98

Name of clearance examiner J B LAWRENCE

License no. (if applicable) PH 27150-97023

Name of property owner US NAVY

Property address 1304 AVE "H" CNK Apt. no. HH

Clearance categories:

1. Interior treatments without containment.
2. Interior treatments with containment.
3. Exterior work on painted surfaces.
4. Routine maintenance.
5. Soil work.

Sample number	Room number or identifier	Surface type (floor, interior window sill, window trough)	Clearance category number	Dimensions of sample area (inches)	Area (ft ²) (can be completed by lab)	Result of lab analysis (µg/ft ²) (can be completed by lab)	Pass or Fail
9912-001-10	POUCH 1	^{BY DOOR 3} FLOOR	2	12" x 12"	1	162	F

Total number of samples on this page 1

Page 2 of 2

Date of sample collection 10/06/98 Date shipped to lab 10/07/98

Shipped by J B Lawrence (Signature) Received by W.R. Hiers, Jr. (Signature)



Chapter 15: Clearance



Form 15.3

Lead Hazard Control Clearance Soil Sampling Form (Composite Sampling Only)

Date 10/6/98
Name of clearance examiner JB LAWRENCE
License no. (if applicable) PE 27150-97023
Name of property owner US NAVY
Property address 304 AVE "H" CNC Apt. no. HH

Sample number	Location	Bare or covered	Lab result (µg/g)
	building perimeter		
	building perimeter		
did soil sampling at a later date (during dust remediation)			

Sketch soil sampling plot plan. Collect only the top 1/2" of soil.

Total number of samples on this page _____

Page _____ of _____

Date of sample collection ____/____/____ Date shipped to lab ____/____/____

Shipped by _____ Received by _____
(Signature) (Signature)

AUG-06-97 WED 12:25

12:00



A Division of Azimuth, Incorporated

9229 University Blvd.

Charleston, SC 29406

(800) 968-3565 Fax (803) 569-3252

Test Request Form

Name William Washington
 Address 1895 North Harbor Ave
North Charleston, SC 29405-2106

Special requests:

Verbal results 5 Day turnaroundFax report YESFax # 743-7413Results needed by: 10/14/98

Project No. QTR HH Sample Type Lead dust and soil # of Samples 10 P.O. Credit card-Tor

Contact Name J B Lawrence Phone No. 743-6777 Ext. 223 Date Shipped 10/7/98

Special Instructions / Unusual Conditions / Possible Interferences:
Analyze per Appendix 14 of HUD Guidelines

Lab Use Only	Sample Number or Area	Sample Volume or Time	Date Sampled	Media Type	Analysis Requested
✓	99RZ-001-1	1432	10/6/98	DUST	LEAD
✓	99RZ-001-2	1442	10/6/98	DUST	LEAD
✓	99RZ-001-3	1446	10/6/98	DUST	LEAD
✓	99RZ-001-4	1451	10/6/98	DUST	LEAD
✓	99RZ-001-5	1457	10/6/98	DUST	LEAD
✓	99RZ-001-6	1501	10/6/98	DUST	LEAD
✓	99RZ-001-7	1512	10/6/98	DUST	LEAD
✓	99RZ-001-8	1518	10/6/98	DUST	LEAD
✓	99RZ-001-9	1521	10/6/98	DUST	LEAD
✓	99RZ-001-10	1525	10/6/98	DUST	LEAD

American Industrial Hygiene Association: Laboratory Accreditation #367.

National Institute of Standards and Technology: NVLAP Laboratory Code #1050.

CHAIN OF CUSTODY	Released by: <u>[Signature]</u>	Date/Time: <u>10/6/98 1546</u>	Received by: <u>W. R. Hines, Jr.</u>	Date/Time: <u>10/6/98 1546</u>
	Released by: <u>W. R. Hines, Jr.</u>	Date/Time: <u>10/7/98 1605</u>	Received at Lab by: <u>[Signature]</u>	Date/Time: <u>10/7/98 1605</u>
Method of Shipment:		Sample Condition Upon Receipt: <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)		
Authorized by: _____ Date: _____				
(Care Signature Must Accompany Request)				

Encl (1)



CLIENT: SPORTENVDETHASN

1899 N Hobson Ave., BLDG. 30

N. Charleston, SC 29405-2106

ATTN.: John Lawrence

Project Info: QTR HH

Purchase Ord: Credit Card - Tom

Workorder: 9810036

Received: 10/14/98 2:39:00 PM

Received by: Wiese D

Validated: 10/14/98 4:28:00 PM

Validated by: McGuiggan T

Approved: 10/14/98 4:28:00 PM

Approved by: McGuiggan T

Client ID	Test Requested
99AZ-001-1	HUD Lead Wipe
99AZ-001-2	HUD Lead Wipe
99AZ-001-3	HUD Lead Wipe
99AZ-001-4	HUD Lead Wipe
99AZ-001-5	HUD Lead Wipe
99AZ-001-6	HUD Lead Wipe
99AZ-001-7	HUD Lead Wipe
99AZ-001-8	HUD Lead Wipe
99AZ-001-9	HUD Lead Wipe
99AZ-001-10	HUD Lead Wipe

Director of Laboratories: Richard D. Bennett, MSPH CIH

AIHA Laboratory ID Number: 9044

ELLAP Laboratory ID Number: 9044

Final Approval:

Danya McGuiggan, Labmanager

Date:

October 15, 1998

14-Oct-98

AZIMUTH LABORATORIES

PAGE

Order #: 9810036

Project : QTR HH

Laboratory Results

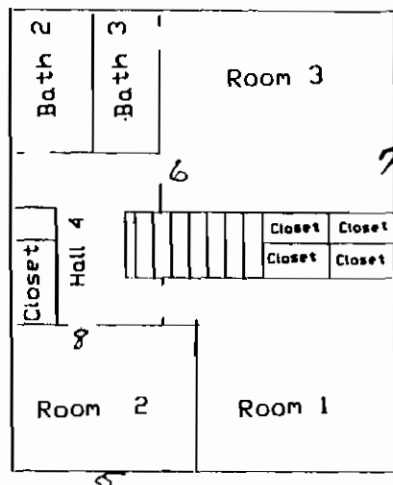
HUD Lead Wipe

Analytical Method: Inductively Coupled Plasma Atomic Emission Spectrometry by modified NIOSH 7300.

Sample Description	Amount (ug)	Area (ft2)	Result (ug/ft2)
99AZ-001-1	<25	1.000	<25
99AZ-001-2	<25	1.000	<25
99AZ-001-3	51	1.000	51
99AZ-001-4	26	1.000	26
99AZ-001-5	<25	1.000	<25
99AZ-001-6	<25	1.000	<25
99AZ-001-7	427	1.000	427
99AZ-001-8	<25	1.000	<25
99AZ-001-9	193	1.000	193
99AZ-001-10	162	1.000	162

Client did not indicate the surface areas for the samples listed above; therefore, one square foot (1 sq. ft.) was assumed by the laboratory.

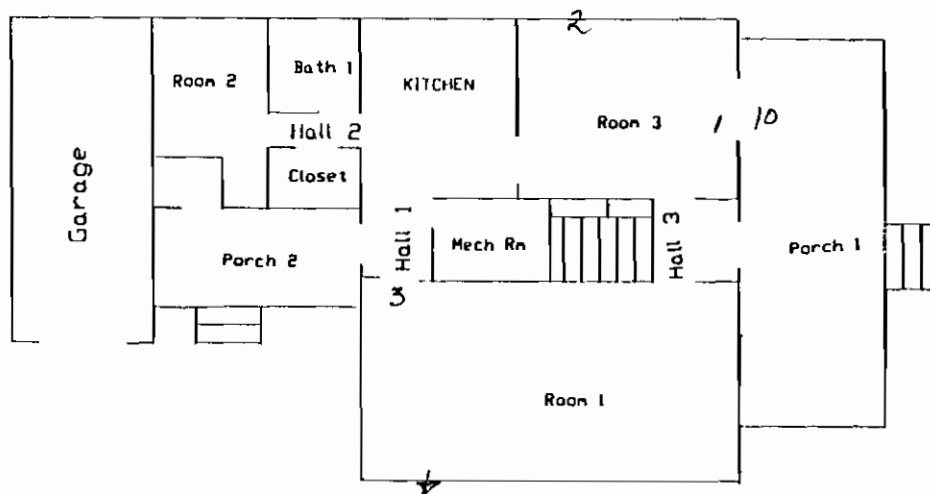
Side B



SECOND FLOOR

5 BLANK

Side C



FIRST FLOOR

Side D

Side A

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2108
Ph. (803) 743-8777

Floor PLAN Qtrs HH
1304 Avenue H
Charleston Naval Complex
Charleston, SC

DWG DATE: 3 Mar 98

DWG NAME: Qtrs HH

Chapter 15: Clearance

Form 15.1

Lead Hazard Control Visual Clearance Form

Date 11/18/98
 Name of clearance examiner JB LAWRENCE
 License no. (if applicable) PA 27150-97023
 Name of property owner US NAVY
 Property address 1304 AVE "H" CNC Apt. no. HH
 Date cleanup completed 11/6/98
 Time cleanup completed 1600

Abatement/interim control contractor name ENVIRONMENTAL DETACHMENT CHARLESTON
 Address 1899 NORTH HOBSON AVE, NORTH CHARLESTON, SC
 Telephone no. (843) 743-6777 2940

Check if repeat clearance examination K

Room identifier	List all building components required to be treated in each room	Work on each component completed? (yes or no)	Visible paint chips seen? (yes or no)	Visible settled dust seen? (yes or no)	Additional work required?
RM 1 FL1	DOORS, WINDOWS, WALLS, CEILING	YES	No	No	No
RM 2 FL1	DOORS, WINDOWS, WALLS, CEILING	YES	No	No	No
RM 3 FL1	DOORS, WINDOWS, WALLS, CEILING	YES	No	No	No
BATH FL1	WINDOW	YES	No	No	No
KITCHEN FL1	WINDOW	YES	No	No	No
HALL FL1	WALLS	YES	No	No	No
HALL 2 FL1	PAINTED	YES	No	No	No
HALL 3 FL1	WALLS, CLOSET, CEILING	YES	No	No	No
RM 1 FL2	DOORS, WINDOWS, WALLS, CEILING, CLOSETS	YES	No	No	No
RM 2 FL2	DOORS, WINDOWS, WALLS, CEILING, CLOSET	YES	No	No	No
RM 3 FL2	DOORS, WINDOWS, WALLS, CEILING, CLOSETS	YES	No	No	No

Exterior soil _____ Treated A Not treated
 If treated, is bare soil present? _____ Yes _____ No
 Was contaminated soil removed? _____ Yes A No
 Is additional soil treatment required? _____ Yes K No

NOTES:

Signature JB Lawrence

Chapter 15: Clearance

Form 15.1

Lead Hazard Control Visual Clearance Form

Date 11/18/98
 Name of clearance examiner JB LAWRENCE
 License no. (if applicable) PK 27150-97023
 Name of property owner US NAVY
 Property address 1304 AVE "H" CNC Apt. no. HH
 Date cleanup completed 11/6/98
 Time cleanup completed 1600

Abatement/interim control contractor name ENVIRONMENTAL DETACHMENT CHARLESTON

Address 1899 NORTH HOBSON AVE, NORTH CHARLESTON, SC
 Telephone no. (843) 743-6777 2940

Check if repeat clearance examination X

Room identifier	List all building components required to be treated in each room	Work on each component completed? (yes or no)	Visible paint chips seen? (yes or no)	Visible settled dust seen? (yes or no)	Additional work required?
BATH 2 FL2	WINDOW	YES	No	No	No
BATH 3 FL2	WINDOW	YES	No	No	No
HALL 4 FL2	WALLS, CLOSET, CEILING, STAIRWELL	YES	No	No	No
PORCH 1	DOORS, CEILING, COLUMNS	YES	No	YES	No
PORCH 2	DOORS, WALLS, CEILING	YES	No	YES	No

Exterior soil _____ Treated X Not treated
 If treated, is bare soil present? _____ Yes _____ No
 Was contaminated soil removed? _____ Yes X No
 Is additional soil treatment required? _____ Yes X No

NOTES:

Signature JB Lawrence

Form 15.2

Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)

Date 11/18/98
 Name of clearance examiner JR LAWRENCE
 License no. (if applicable) PH 27150-97023
 Name of property owner US NAVY
 Property address 1304 AVE "H" CNC Apt. no. HH

Clearance categories:

1. Interior treatments without containment.
- ☒ 2. Interior treatments with containment.
- ☒ 3. Exterior work on painted surfaces.
4. Routine maintenance.
5. Soil work.

Sample number	Room number or identifier	Surface type (floor, interior window sill, window trough)	Clearance category number	Dimensions of sample area (inches)	Area (ft ²) (can be completed by lab)	Result of lab analysis (µg/ft ²) (can be completed by lab)	Pass or Fail
99AZ-002-1	Rm 3 FL2	WINDOW TROUGH	2	4" x 12"	.333	196	P
99AZ-002-2	Rm 1 FL2	WINDOW TROUGH	2	4" x 12"	.333	<75	F
99AZ-002-3	BLANK HALL FL2	WINDOW TROUGH	2		.333	<75	F
99AZ-002-4	BATH 2	WINDOW TROUGH	2	4" x 12"	.333	<75	P
99AZ-002-5	BATH 3	WINDOW TROUGH	2	4" x 12"	.333	<75	P
99AZ-002-6	Rm 2 FL1	WINDOW TROUGH	2	4" x 12"	.333	<75	P
99AZ-002-7	BATH 1	WINDOW TROUGH	2	4" x 12"	.333	154	P
99AZ-002-8	KITCHEN	WINDOW TROUGH	2	4" x 12"	.333	111	P
99AZ-002-9	PORCH 1	FLOOR BY DOOR 3	2	12" x 12"	1	<25	P

Total number of samples on this page 9

Page 1 of 1

Date of sample collection 11/19/98 Date shipped to lab 11/20/98

Shipped by JR LAWRENCE (Signature) Received by W.R. Hines Jr. (Signature)

Lead Hazard Control Clearance Soil Sampling Form (Composite Sampling Only)

Date 11/18/98
Name of clearance examiner JB LAWRENCE
License no. (if applicable) PD 27150-97023
Name of property owner US NAVY
Property address 1304 AVE "H" CNC Apt. no. HH

[illegible]

Sketch soil sampling plot plan. Collect only the top 1/2" of soil.

Total number of samples on this page 2

Page 1 of 1

Date of sample collection 11/19/98 Date shipped to lab 11/20/98

Shipped by *C. Lawrence* Received by *W. R. H. ...*
(Signature) (Signature)

SAMPLE 99AZ-002-10 FROM SIDED DRIPLINE
SAMPLE 99AZ-002-11 FROM SIDEA DRIPLINE



A Division of Azimuth, Incorporated

9229 University Blvd.

Charleston, SC 29406

(800) 968-3565 Fax (803) 569-3282

Test Request Form

Name VINCENT WASHINGTON
 Address 1249 NORTH HOBSON AVE
NORTH CHARLESTON, SC 29450-2106

Special requests:

Verbal results

Fax report FAXFax # 743-9413Results needed by: 11/30/98

Project No. LBP QTR MATERIAL Sample Type LEAD DUST + SOIL # of Samples 11 P.O. CREDIT CARD - TM
 Contact Name JR LAWRENCE Phone No. 743-6777 EXT 223 Date Shipped 11/20/98
 Special Instructions / Unusual Conditions / Possible Interferences: ANALYZE PER APPENDIX 14 OF HUD GUIDELINES
ANY QUESTIONS CONTACT JR LAWRENCE 743-6777 EXT 223

Lab Use Only	Sample Number or Area	Sample Volume or Time	Date Sampled	Media Type	Analysis Requested
✓	99AZ-002-1	4" x 12"	11/19/98	LEAD DUST	
✓	99AZ-002-2	4" x 12"	11/19/98	LEAD DUST	
✓	99AZ-002-3	4" x 12"	11/19/98	LEAD DUST	
✓	99AZ-002-4	4" x 12"	11/19/98	LEAD DUST	
✓	99AZ-002-5	4" x 12"	11/19/98	LEAD DUST	
✓	99AZ-002-6	4" x 12"	11/19/98	LEAD DUST	
✓	99AZ-002-7	4" x 12"	11/19/98	LEAD DUST	
✓	99AZ-002-8	4" x 12"	11/19/98	LEAD DUST	
✓	99AZ-002-9	12" x 12"	11/19/98	LEAD DUST	
✓	99AZ-002-10	COMPOSITE SOIL ^{400g}	11/19/98	TOP SOIL LEAD	NO TUP PER JL
✓	99AZ-002-11	COMPOSITE SOIL	11/19/98	TOP SOIL LEAD	TM 11-20 GR

American Industrial Hygiene Association: Laboratory Accreditation #367.

National Institute of Standards and Technology: NVLAP Laboratory Code #1050.

CHAIN OF CUSTODY	Requisitioned by: <u>JR LAWRENCE</u>	Date: <u>11/20/98 1028</u>	Received by: <u>W. R. Hiers, Jr.</u>	Date: <u>11/20/98 1028</u>
	Requisitioned by: <u>W. R. Hiers, Jr.</u>	Date: <u>11/20/98 1107</u>	Received at Lab by: <u>W. R. Hiers, Jr.</u>	Date: <u>11/20/98 1107</u>
Method of Shipment:			Sample Condition Upon Receipt: <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)	
Authorized by: _____ Date: _____				
(Cert Signature Must Accompany Request)				



CLIENT: SPORTENVDETHASN
1899 N Hobson Ave., BLDG. 30
N. Charleston, SC 29405-2106
ATTN.: John Lawrence

Project Info: LBP QTR Material

Purchase Ord: Credit Card-Tom

Workorder: 9811136

Received: 11/20/98 11:34:00 AM

Received by: McGuiggan T

Validated: 12/1/98 10:07:00 AM

Validated by: Gallagher J

Approved: 12/1/98 10:07:00 AM

Approved by: Gallagher J

Client ID	Test Requested
99AZ-002-1	Lead Wipe
99AZ-002-2	Lead Wipe
99AZ-002-3	Lead Wipe
99AZ-002-4	Lead Wipe
99AZ-002-5	Lead Wipe
3AZ-002-6	Lead Wipe
99AZ-002-7	Lead Wipe
99AZ-002-8	Lead Wipe
99AZ-002-9	Lead Wipe
99AZ-002-10	Lead
99AZ-002-11	Lead

Director of Laboratories: Richard D. Bennett, MSPH CIH

AIHA Laboratory ID Number: 9044

NY State ELAP Lab No. 11052

ELLAP Laboratory ID Number: 9044

Final Approval:

Tracy McGuiggan, Lab manager

Date:

December 1, 1998

Azimuth Laboratories

9229 University Blvd. Charleston, SC 29406 (800)968-3565 (843)553-9456

HUD Lead in Soil Laboratory Results

Wednesday, November 25, 1998

Work Order No: 9811136

File: H81125C

Project No: LBP QTR Material

*Analytical Method: Flame Atomic Absorption Spectrometry
by modified NIOSH 7082.*

<u>Sample ID</u>	<u>Result (Percent by Weight)</u>
99AZ-002-10	0.0888
99AZ-002-11	0.0444



**LEAD-BASED PAINT ABATEMENT
QUARTERS II
OFFICERS' HOUSING
CHARLESTON NAVAL COMPLEX
CHARLESTON, SC**



Prepared for:

**DEPARTMENT OF THE NAVY
SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON SC**



Prepared by:

**Supervisor of Shipbuilding, Conversion and Repair,
USN, (SUPSHIP) Portsmouth Va.,
Environmental Detachment Charleston, S.C.
1899 North Hobson Ave.
North Charleston, SC 29405-2106**

11 June 1999



DEPARTMENT OF THE NAVY
SUPERVISOR OF SHIPBUILDING CONVERSION AND REPAIR, USN
PORTSMOUTH, VIRGINIA ENVIRONMENTAL DETACHMENT CHARLESTON
1899 NORTH HOBSON AVENUE BUILDING 30
NORTH CHARLESTON SOUTH CAROLINA 29405-2106

IN REPLY REFER TO

Ser: 461

JUN 16 1999

From: Director, Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va.
Environmental Detachment Charleston, SC (SPORTENVDETHASN)

To: Commanding Officer, Southern Division Naval Facilities Engineering Command
Attn: Archie Browder, Code 18B4 (SOUTHDIV)

Subj: LEAD-BASED PAINT ABATEMENT FOR QUARTERS II, OFFICERS' HOUSING,
CHARLESTON NAVAL COMPLEX, CHARLESTON, SC

Ref: (a) U.S. Department of Housing and Urban Development (HUD) Guidelines for the
Evaluation and Control of Lead Based Paint Hazards in Housing, dated June 1995

Encl: (1) Quarters II Clearance Sampling Results and HUD Visual Inspection Form

1. Abatement of lead-based paint (LBP) from Quarters II located on Charleston Naval Complex is complete. The abatement was performed from 28 September 1998- 16 November 1998, by Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va., Environmental Detachment Charleston. Enclosure (1) provides the LBP Abatement Report for Quarters II.

2. Using procedures outlined in ref (a), a SPORTENVDETHASN Certified Lead Inspector/Risk Assessor conducted clearance dust and soil sampling for Quarters II. Azimuth Laboratories, a National Lead Laboratory Accreditation Program participant, provided analytical results of these samples. Results revealed lead levels below the following HUD Limits:

Floors	100 $\mu\text{g}/\text{ft}^2$
Interior Window Sills	500 $\mu\text{g}/\text{ft}^2$
Window Troughs	800 $\mu\text{g}/\text{ft}^2$
Soil	2000 $\mu\text{g}/\text{ft}^2$

3. If you have any questions, please contact Ruth Zech or John Lawrence at (843) 743-6777 extensions 219 or 223 respectively.

E. R. Dearhart
E. R. DEARHART

Chapter 15: Clearance

Form 15.1

Lead Hazard Control Visual Clearance Form

Date 11/18/98
 Name of clearance examiner JB LAWRENCE
 License no. (if applicable) PK 27150-97023
 Name of property owner U.S. NAVY
 Property address 1310 AVE "H" CNC Apt. no. II
 Date cleanup completed 11/16/98
 Time cleanup completed 1600

Abatement/interim control contractor name ENVIRONMENTAL DETACHMENT CHARLESTON
 Address 1899 NORTH HOBSON AVE, NORTH CHARLESTON, SC
 Telephone no. (843) 743-6777 2940

Check if repeat clearance examination ☐

Room identifier	List all building components required to be treated in each room	Work on each component completed? (yes or no)	Visible paint chips seen? (yes or no)	Visible settled dust seen? (yes or no)	Additional work required?
RM1 FL1	DOORS, WALLS, CEILINGS, WINDOWS REPLACED	YES	No	No	No
RM2 FL1	DOORS, WALLS, CEILING, WINDOWS, CABINETS, SHIRTS	YES	No	No	No
RM3 FL1	UPPER WALLS, WINDOWS	YES	No	No	No
BATH1 FL1	WINDOW	YES	No	No	No
KITCHEN FL1	WINDOW	YES	No	No	No
HALL1 FL1	WALLS, CEILING, CROWN MOULDING	YES	No	No	No
HALL2 FL1	WALLS, BASEBOARD	YES	No	No	No
HALL3 FL1	CEILING	YES	No	No	No
RM1 FL2	WINDOWS	YES	No	No	No
RM2 FL2	WINDOWS	YES	No	No	No
RM3 FL2	WINDOWS	YES	No	No	No

Exterior soil ☐ Treated ☒ Not treated
 If treated, is bare soil present? ☐ Yes ☐ No
 Was contaminated soil removed? ☐ Yes ☒ No
 Is additional soil treatment required? ☐ Yes ☒ No

NOTES:

ALL WINDOWS, REPLACED.
 AND CASINGS

Signature JB LAWRENCE

Chapter 15: Clearance

Form 15.1

Lead Hazard Control Visual Clearance Form

Date 11/19/98
 Name of clearance examiner JB LAWRENCE
 License no. (if applicable) PA 27150-97023
 Name of property owner US NAVY
 Property address 1310 AVE "H" CNC Apt. no. II
 Date cleanup completed 11/16/98
 Time cleanup completed 1600

Abatement/interim control contractor name ENVIRONMENTAL DETACHMENT CHARLESTON

Address 1899 NORTH HOBSON AVE, NORTH CHARLESTON, SC
 Telephone no. (843) 743-6777 2940

Check if repeat clearance examination

Room identifier	List all building components required to be treated in each room	Work on each component completed? (yes or no)	Visible paint chips seen? (yes or no)	Visible settled dust seen? (yes or no)	Additional work required?
BATH 2 FL2	DOOR WINDOW	YES	No	No	No
BATH 3 FL2	WINDOW	YES	No	No	No
* HALL 4 FL2	WALLS, BASEBOARD, CEILING, CLOSET, CABINET, DOORS	YES	No	No	No
PORCH 1	DOORS + CASINGS, WALLS, COLUMNS, CEILING	YES	No	No	No
PORCH 2	DOORS + CASINGS, WALLS, CEILING, COLUMNS	YES	No	No	No
EXTERIOR	AWNINGS, CONDUIT, PORCH COLUMNS + WALLS, PORCH 2 WALLS + TRIM	YES	No	No	No

Exterior soil Treated X Not treated

If treated, is bare soil present? Yes No

Was contaminated soil removed? Yes X No

Is additional soil treatment required? Yes X No

NOTES:

ALL WINDOWS REPLACED
AND CASINGS

* WINDOW, STAIRWELL WALLS

Signature JB LAWRENCE

Form 15.2

Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)

Date 11/18/98

Name of clearance examiner JB LAWRENCE

License no. (if applicable) PB 27150-97023

Name of property owner US NAVY

Property address 1310 AVE "H" CNC Apt. no. II

Clearance categories:

1. Interior treatments without containment.
2. Interior treatments with containment.
3. Exterior work on painted surfaces.
4. Routine maintenance.
5. Soil work.

Sample number	Room number or identifier	Surface type (floor, interior window sill, window trough)	Clearance category number	Dimensions of sample area (inches)	Area (ft²) (can be completed by lab)	Result of lab analysis (µg/ft²) (can be completed by lab)	Pass or Fail
99AZ-003-1	Rm 1 FL1	FLOOR BY DOOR 2	2	12" x 12"	1	<25	P
99AZ-003-2	Rm 1 FL1	WINDOW SILL	2	2 1/2" x 12"	.208	<120	P
99AZ-003-3	Rm 2 FL1	FLOOR BY DOOR 1	2	12" x 12"	1	<25	P
99AZ-003-4	Rm 2 FL1	WINDOW TROUGH	2	4" x 12"	.333	<75	P
99AZ-003-5	BLANK				1	<25	P
99AZ-003-6	Rm 3 FL2	FLOOR BY DOOR 2	2	12" x 12"	1	<25	P
99AZ-003-7	Rm 3 FL2	WINDOW SILL	2	2 1/2" x 12"	.208	<120	P
99AZ-003-8	Rm 2 FL2	FLOOR BY DOOR 1	2	12" x 12"	1	<25	P
99AZ-003-9		WINDOW TROUGH	2	4" x 12"	.333	<75	P

Total number of samples on this page 9

Page 1 of 1

Date of sample collection 11/19/98 Date shipped to lab 11/20/98

Shipped by JB Lawrence (Signature) Received by W.R. Henry, Jr. (Signature)

Lead Hazard Control Clearance Soil Sampling Form (Composite Sampling Only)

Date 11/18/98

Name of clearance examiner T B LAWRENCE

License no. (if applicable) P6 27150-97023

Name of property owner US Navy

Property address 1310 AVE "H" CNC Apt. no II

[illegible]

Sketch soil sampling plot plan. Collect only the top 1/2" of soil.

Total number of samples on this page 2

Page 1 of 1

Date of sample collection 11/19/98 Date shipped to lab 11/20/98

Shipped by J. Lawrence
(Signature)

Received by W. R. Hues, Jr.
(Signature)

SAMPLE 99AZ-003-10 TAKEN FROM SIDE A DRIPLINE
SAMPLE 99AZ-003-11 TAKEN FROM SIDE B DRIPLINE

Test Request Form

A Division of Azimuth, Incorporated

9229 University Blvd.
 Charleston, SC 29406
 (800) 968-3565 Fax (803) 569-3282

Name VIVIAN WASHINGTON
 Address 1849 NORTH HANSON AVE
NORTH CHARLESTON, SC 29450-2106

Special requests:

Verbal results _____

Fax report FAX

Fax # 743-9413

Results needed by: 11/30/98

Project No. LBP QTR MATERIAL Sample Type LEAD DUST & SOIL # of Samples 11 P.O. CREDIT CARD - TCM

Contact Name J B LAWRENCE Phone No. 743-6777 EXT 223 Date Shipped 11/20/98

Special Instructions / Unusual Conditions / Possible Interferences:
ANALYZE PER APPENDIX 14 OF HUD GUIDELINES

ANY QUESTIONS PLEASE CONTACT J B LAWRENCE 743-6777 EXT 223

Lab Use Only	Sample Number or Area	Sample Volume or Time	Date Sampled	Media Type	Analysis Requested
✓	99AZ-003-1	12" x 12"	11/19/98	DUST	
✓	99AZ-003-2	2 1/2" x 12"	11/19/98	DUST	
✓	99AZ-003-3	12" x 12"	11/19/98	DUST	
✓	99AZ-003-4	4" x 12"	11/19/98	DUST	
✓	99AZ-003-5	12" x 12"	11/19/98	DUST	
✓	99AZ-003-6	12" x 12"	11/19/98	DUST	
✓	99AZ-003-7	2 1/2" x 12"	11/19/98	DUST	
✓	99AZ-003-8	12" x 12"	11/19/98	DUST	
✓	99AZ-003-9	4" x 12"	11/19/98	DUST	
✓	99AZ-003-10	COMPOSITE SOIL	11/19/98	SOIL	
✓	99AZ-003-11	COMPOSITE SOIL	11/19/98	SOIL	
987 11/20/98	99AZ-003-12	SOIL	11/20/98	SOIL	

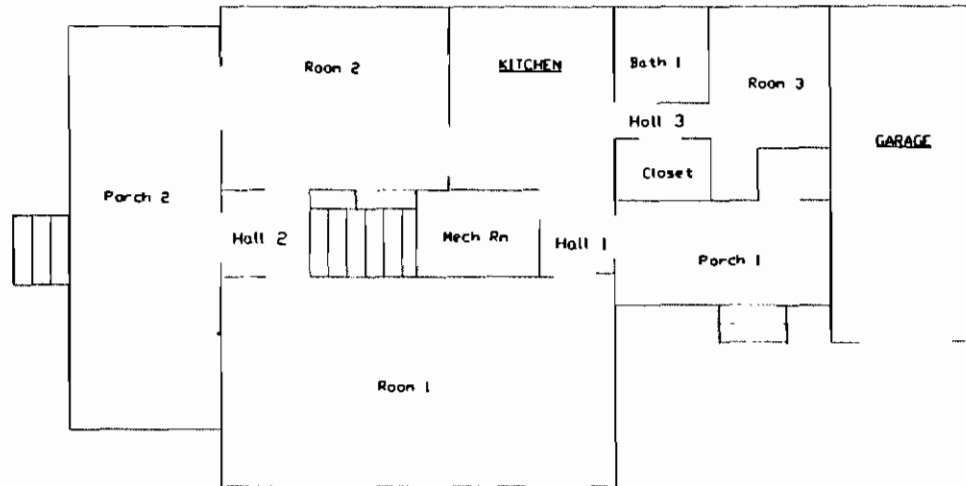
American Industrial Hygiene Association: Laboratory Accreditation #357.

National Institute of Standards and Technology: NISTAP Laboratory Code #1050.

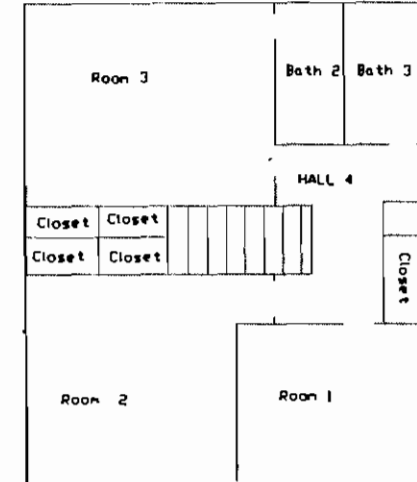
CHAIN OF CUSTODY	Released by: <u>J B Lawrence</u>	Received by: <u>L. H. Harris</u>	Date: <u>11/23/98 1028</u>
	Released by: <u>L. H. Harris</u>	Received at Lab by: <u>J B Lawrence</u>	Date: <u>11/23/98 1107</u>
Method of Shipment: _____		Sample Condition Upon Receipt: <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain) _____	
Authorized by: _____		Date: _____	

(Client Signature Must Accompany Request)

Side C



FIRST FLOOR



SECOND FLOOR

Side A

B
e
r
i
s

S
i
d
e
D

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan Qtrs II
1310 Avenue H
Charleston Naval Complex
Charleston, SC

DWG DATE: 3 Mar 98

DWG NAME: Qtrs II



CLIENT: SPORTENVDETHASN

1899 N Hobson Ave., BLDG. 30

N. Charleston, SC 29405-2106

ATTN.: John Lawrence

Project Info: LBP QTR Material

Purchase Ord: Credit Card-Tom

Workorder: 9811135

Received: 11/20/98 11:34:00 AM

Received by: McGuiggan T

Validated: 12/1/98 10:11:00 AM

Validated by: Gallagher J

Approved: 12/1/98 10:11:00 AM

Approved by: Gallagher J

Client ID	Test Requested
99AZ-003-1	Lead Wipe
99AZ-003-2	Lead Wipe
99AZ-003-3	Lead Wipe
99AZ-003-4	Lead Wipe
99AZ-003-5	Lead Wipe
99AZ-003-6	Lead Wipe
99AZ-003-7	Lead Wipe
99AZ-003-8	Lead Wipe
99AZ-003-9	Lead Wipe
99AZ-003-10	Lead
99AZ-003-11	Lead

Director of Laboratories: Richard D. Bennett, MSPH CIH

AiHA Laboratory ID Number: 9044

NY State ELAP Lab No. 11052

ELLAP Laboratory ID Number: 9044

Final Approval: Tom McGuiggan, Lab Manager

Date: December 1, 1998

Azimuth Laboratories

9229 University Blvd. Charleston, SC 29406 (800)968-3565 (843)553-9456

HUD Lead Wipe Laboratory Results

Monday, November 30, 1998

Work Order No: 9811135

File: H81124E

Project No: LBP QTR Material

*Analytical Method: Flame Atomic Absorption Spectrometry
by modified NIOSH 7082.*

Sample ID	Lead Amount (ug)	Area (sq ft)	Result (ug/sq ft)
99AZ-003-1	<25	1.000	<25
99AZ-003-2	<25	0.208	<120
99AZ-003-3	<25	1.000	<25
99AZ-003-4	<25	0.333	<75
99AZ-003-5	<25	1.000	<25
99AZ-003-6	<25	1.000	<25
99AZ-003-7	<25	0.208	<120
99AZ-003-8	<25	1.000	<25
99AZ-003-9	<25	0.333	<75

Azimuth Laboratories

9229 University Blvd. Charleston, SC 29406 (800)968-3565 (843)553-9456

HUD Lead in Soil Laboratory Results

Wednesday, November 25, 1998

Work Order No: 9811135

File: H81125C

Project No: LBP QTR Material

*Analytical Method: Flame Atomic Absorption Spectrometry
by modified NIOSH 7082.*

<u>Sample ID</u>	<u>Result (Percent by Weight)</u>
99AZ-003-10	0.0463
99AZ-003-11	0.1310



**LEAD-BASED PAINT ABATEMENT
QUARTERS JJ
OFFICERS' HOUSING
CHARLESTON NAVAL COMPLEX
CHARLESTON, SC**



Prepared for:

**DEPARTMENT OF THE NAVY
SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON SC**



Prepared by:

**Supervisor of Shipbuilding, Conversion and Repair,
USN, (SUPSHIP) Portsmouth Va.,
Environmental Detachment Charleston, S.C.
1899 North Hobson Ave.
North Charleston, SC 29405-2106**

11 June 1999



DEPARTMENT OF THE NAVY
SUPERVISOR OF SHIPBUILDING, CONVERSION AND REPAIR, USN
PORTSMOUTH, VIRGINIA ENVIRONMENTAL DETACHMENT CHARLESTON
1899 NORTH HOBSON AVENUE BUILDING 30
NORTH CHARLESTON, SOUTH CAROLINA 29405-2106

IN REPLY REFER TO

Ser: 462

JUN 16 1999

From: Director, Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va.
Environmental Detachment Charleston, SC (SPORTENVDETHASN)
To: Commanding Officer, Southern Division Naval Facilities Engineering Command
Attn: Archie Browder, Code 18B4 (SOUTHDIV)
Subj: LEAD-BASED PAINT ABATEMENT FOR QUARTERS JJ, OFFICERS' HOUSING,
CHARLESTON NAVAL COMPLEX, CHARLESTON, SC
Ref: (a) U.S. Department of Housing and Urban Development (HUD) Guidelines for the
Evaluation and Control of Lead Based Paint Hazards in Housing, dated June 1995
Encl: (1) Quarters JJ Clearance Sampling Results and HUD Visual Inspection Form

1. Abatement of lead-based paint (LBP) from Quarters JJ located on Charleston Naval Complex is complete. The abatement was performed from 3 November 1998- 9 December 1998, by Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va., Environmental Detachment Charleston. Enclosure (1) provides the LBP Abatement Report for Quarters JJ.

2. Using procedures outlined in ref (a), a SPORTENVDETHASN Certified Lead Inspector/Risk Assessor conducted clearance dust and soil sampling for Quarters JJ. Azimuth Laboratories, a National Lead Laboratory Accreditation Program participant, provided analytical results of these samples. Results revealed lead levels below the following HUD Limits:

Floors	100 $\mu\text{g}/\text{ft}^2$
Interior Window Sills	500 $\mu\text{g}/\text{ft}^2$
Window Troughs	800 $\mu\text{g}/\text{ft}^2$
Soil	2000 $\mu\text{g}/\text{ft}^2$

3. If you have any questions, please contact Ruth Zech or John Lawrence at (843) 743-6777 extensions 219 or 223 respectively.

E. R. Dearhart
E. R. DEARHART

Chapter 15: Clearance

Form 15.1

Lead Hazard Control Visual Clearance Form

Date 12/22/98
 Name of clearance examiner JB LAWRENCE
 License no. (if applicable) PA 27150-97023
 Name of property owner US NAVY
 Property address 1350 AVE "H" CMC Apt. no. JJ
 Date cleanup completed 12/18/98
 Time cleanup completed 1600

Abatement/interim control contractor name ENVIRONMENTAL DETACHMENT CHARLESTON
 Address 1899 NORTH HORSON AVE, NORTH CHARLESTON, SC
 Telephone no. (843) 743-6777 2940

Check if repeat clearance examination ☐

Room identifier	List all building components required to be treated in each room	Work on each component completed? (yes or no)	Visible paint chips seen? (yes or no)	Visible settled dust seen? (yes or no)	Additional work required?
RM 1 FL1	WINDOWS, WALLS, CEILING & CROWN MOULDING	YES	No	No	No
RM 2 FL1	WALLS, BASEBOARDS, WINDOWS, CEILING	YES	No	No	No
RM 3 FL1	WALLS, WINDOWS, CEILING, MOULDING, CHAIR RAIL	YES	No	No	No
BATH1 FL1	WINDOW	YES	No	No	No
KITCHEN FL1	WINDOWS	YES	No	No	No
HALL1 FL1	WALL, CEILING	YES	No	No	No
HALL2 FL1	N/A	N/A	N/A	N/A	N/A
HALL3 FL1	WALLS, BASEBOARD, CEILING, MOULDING	YES	No	No	No
RM1 FL2	WALLS, MOULDING, WINDOWS, CLOSET WALLS & CEILING	YES	No	No	No
RM2 FL2	WALLS, MOULDING, CEILING, WINDOWS, CLOSET WALLS & CEILING	YES	No	No	No
RM3 FL2	WALLS, CEILING, WINDOWS, CLOSET WALLS & CEILING	YES	No	No	No

Exterior soil ☐ Treated ☒ Not treated
 If treated, is bare soil present? ☐ Yes ☐ No
 Was contaminated soil removed? ☐ Yes ☒ No
 Is additional soil treatment required? ☐ Yes ☒ No

NOTES: ALL WINDOWS AND CASINGS REPLACED

Signature JB Lawrence

Chapter 15: Clearance

Form 15.1

Lead Hazard Control Visual Clearance Form

Date 12/22/98
 Name of clearance examiner JB LAWRENCE
 License no. (if applicable) PK 27150-97023
 Name of property owner US NAVY
 Property address 1350 AVE "H" CMC Apt. no. JJ
 Date cleanup completed 12/18/98
 Time cleanup completed 1600

Abatement/interim control contractor name ENVIRONMENTAL DETACHMENT CHARLESTON
 Address 1899 NORTH HOBSON AVE, NORTH CHARLESTON, SC
 Telephone no. (843) 743-6777 2940

Check if repeat clearance examination

Room identifier	List all building components required to be treated in each room	Work on each component completed? (yes or no)	Visible paint chips seen? (yes or no)	Visible settled dust seen? (yes or no)	Additional work required?
BATH 2 FL2	WINDOW	YES	No	No	No
BATH 3 FL2	WINDOW	YES	No	No	No
HALL 4 FL2	WALLS, WINDOW, CEILING, CLOSET, OVERHEAD DOOR	YES	No	No	No
PORCH 1	WALLS, CEILING, COLUMNS, WINDOWS, DOORS, DOOR THRESHOLDS	YES	No	No	No
PORCH 2	WALLS, CEILING, DOORS, COLUMNS, THRESHOLDS	YES	No	No	No
EXTERIOR	WINDOW SILLINGS, DOOR CASING, WINDOWS	YES	No	No	No
	FACIA & SOFFIT PORCH COLUMNS				

Exterior soil Treated + Not treated
 If treated, is bare soil present? Yes No
 Was contaminated soil removed? Yes + No
 Is additional soil treatment required? Yes + No

NOTES: ALL WINDOWS AND CASINGS REPLACED

Signature JB Lawrence

Chapter 15: Clearance

Form 15.2

Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)

Date 12/22/98

Name of clearance examiner JB LAWRENCE

License no. (if applicable) PA 27150-97023

Name of property owner US NAVY

Property address 1350 AVE "H" CMC Apt. no. JJ

Clearance categories:

1. Interior treatments without containment.
2. Interior treatments with containment.
3. Exterior work on painted surfaces.
4. Routine maintenance.
5. Soil work.

Sample number	Room number or identifier	Surface type (floor, interior window sill, window trough)	Clearance category number	Dimensions of sample area (inches)	Area (ft ²) (can be completed by lab)	Result of lab analysis (µg/ft ²) (can be completed by lab)	Pass or Fail
99AZ-005-1	Rm 3	Side D Floor By door	2	12" x 12"	1	<25	P
99AZ-005-2	Rm 3	Side C window sill #2	2	12" x 2 1/2"	.2	<120	P
99AZ-005-3	Rm 1	Side C Floor By door 1	2	12" x 12"	1	<25	P
99AZ-005-4	Rm 1	Side A window trough #2	2	12" x 4"	.33	123	P
99AZ-005-5	BLANK	BLANK	2	BLANK	BLANK	<25	P
99AZ-005-6	2nd FR Room 3	Floor (by door)	2	12" x 12"	1	<25	P
99AZ-005-7	2nd FR Rm 3	window sill #1	2	12" x 2 1/2"	.2	<120	P
99AZ-005-8	2nd FR Rm 2	Floor	2	12" x 12"	1	<25	P
99AZ-005-9	2nd FR Rm 2	Window well #2	2	12" x 4"	.33	<75	P

Total number of samples on this page 9

Page 1 of 1

Date of sample collection 12/22/98 Date shipped to lab 12/22/98

Shipped by [Signature] (Signature) Received by _____ (Signature)

Lead Hazard Control Clearance Soil Sampling Form (Composite Sampling Only)

Date 12/22/98
Name of clearance examiner J B LAWRENCE
License no. (if applicable) PE 27150-97023
Name of property owner US NAVY
Property address 1350 AVE "H" CMC Apt. no. JJ

[illegible]

Sketch soil sampling plot plan. Collect only the top 1/2" of soil.

Total number of samples on this page 2

Page 1 of 1

Date of sample collection 12/22/98 Date shipped to lab 12/22/98

Shipped by Jo Lawrence Received by _____
(Signature) (Signature)

LABORATORIES

Test Request Form

A Division of American Industrial Hygiene Association

9229 University Blvd.
Charleston, SC 29406
(800) 968-3565 Fax (803) 569-3282

Name VIVIAN WASHINGTON
Address 1874 NORTH HOBSON AVE
NORTH CHARLESTON, SC
29405-2106

Special request: _____
Verbal results 5 DAY TURNAROUND
Fax report YES
Fax # 743-9413
Results needed by: 1-4-99

Project No. QTR JJ Sample Type LEAD DUST & SOIL # of Samples 11 P.O. CREDIT ADV.
Contact Name BILL HERS Phone No. 743-6777 EXT 223 Date Shipped 12/22/98
J.B. LAURENCE
Special instructions / Unusual Conditions / Possible Interferences:
ANALYZE PER APPENDIX 14 OF HUD GUIDELINES

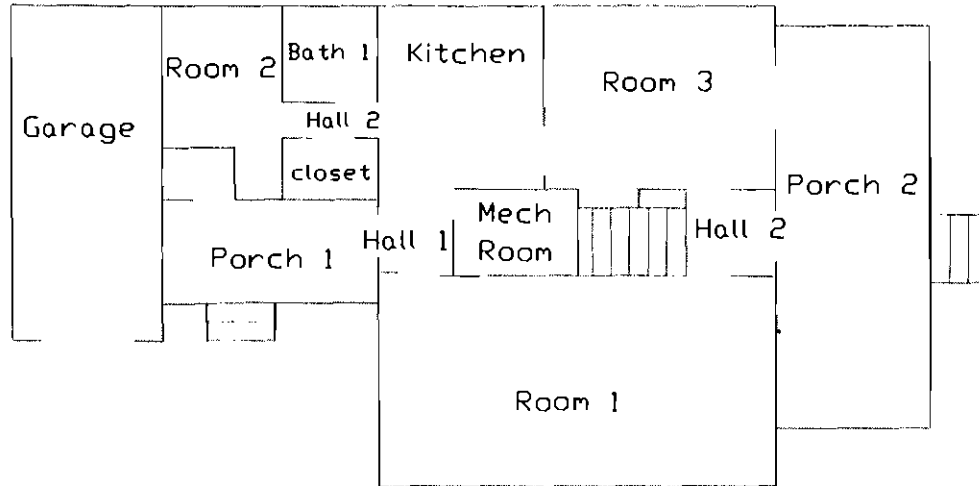
Lab Use Only	Sample Number or Area	Sample Volume or Time	Date Sampled	Media Type	Analysis Requested
	99AZ-005-1	12" x 12"	12/22/98	DUST	LEAD
	99AZ-005-2	12" x 2 1/2"	12/22/98	DUST	LEAD
	99AZ-005-3	12" x 12"	12/22/98	DUST	LEAD
	99AZ-005-4	12" x 4"	12/22/98	DUST	LEAD
	99AZ-005-5	12" x 12"	12/22/98	DUST	LEAD
	99AZ-005-6	12" x 12"	12/22/98	DUST	LEAD
	99AZ-005-7	12" x 2 1/2"	12/22/98	DUST	LEAD
	99AZ-005-8	12" x 12"	12/22/98	DUST	LEAD
	99AZ-005-9	12" x 4"	12/22/98	DUST	LEAD
	99AZ-005-10	—	12/22/98	SOIL	LEAD
	99AZ-005-11	—	12/22/98	SOIL	LEAD

American Industrial Hygiene Association: Laboratory Accreditation #367.
National Institute of Standards and Technology: NVLAP Laboratory Code #1050.

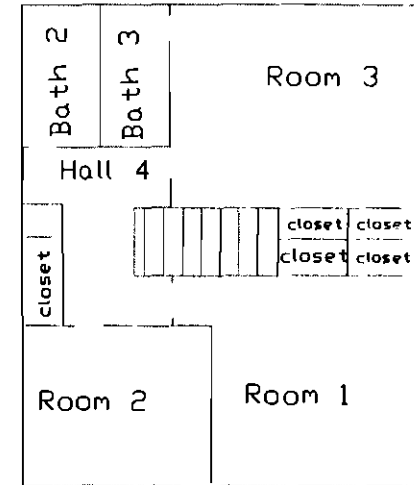
CHAIN OF CUSTODY	Requisitioned by: <u>J.B. LAURENCE</u>	Date/Time: <u>12/22/98 1633</u>	Received by: _____	Date/Time: _____
	Requisitioned by: _____	Date/Time: _____	Received at Lab by: _____	Date/Time: _____
	Method of Shipment: _____		Sample Condition Upon Receipt: <input type="checkbox"/> Acceptable <input type="checkbox"/> Other (describe): _____	
Authorized by: _____		Date: _____		
(Client Signature Must Accompany Request)				

Side C

Side B



FIRST FLOOR



SECOND FLOOR

Side D

Side A

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan Qtrs JJ
1350 Avenue H
Charleston Naval Complex
Charleston, SC

DWG DATE: 3 Mar 98

DWG NAME: Qtrs JJ



CLIENT: SPORTENVDETHASN
1899 N Hobson Ave., BLDG. 30
N. Charleston, SC 29405-2106
ATTN.: John Lawrence

Project Info: QTR JJ

Purchase Ord: Credit Card - Tom

Workorder: 9812145

Received: 12/22/98 4:42:00 PM

Received by: McGuiggan T

Validated: 1/5/99 4:24:00 PM

Validated by: Gallagher J

Approved: 1/5/99 4:24:00 PM

Approved by: Gallagher J

Client Sample ID: 99AZ-005-1
Azimuth ID: 9812145-01

Collection Date: 12/22/98

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-005-2
Azimuth ID: 9812145-02

Collection Date: 12/22/98

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<120 ug/ft2

Client Sample ID: 99AZ-005-3
Azimuth ID: 9812145-03

Collection Date: 12/22/98

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-005-4
Azimuth ID: 9812145-04

Collection Date: 12/22/98

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	123 ug/ft2

Printed 1/5/99

Page 1 of 3

A Division of Azimuth, Incorporated

9229 University Blvd. ▲ Charleston, South Carolina 29406 ▲ (800) 968-3565 toll-free ▲ (843) 553-9456 ▲ (843) 56

Encl (1)
Page 7 of 9

Client Sample ID: 99AZ-005-5 Azimuth ID: 9812145-05		Collection Date: 12/22/98
Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-005-6 Azimuth ID: 9812145-06		Collection Date: 12/22/98
Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-005-7 Azimuth ID: 9812145-07		Collection Date: 12/22/98
Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<120 ug/ft2

Client Sample ID: 99AZ-005-8 Azimuth ID: 9812145-08		Collection Date: 12/22/98
Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-005-9 Azimuth ID: 9812145-09		Collection Date: 12/22/98
Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<75 ug/ft2

Client Sample ID: 99AZ-005-10 Azimuth ID: 9812145-10		Collection Date: 12/22/98
Test	Method	Sample Result
Lead	mNIOSH 7082	0.1182 % by wt

ient Sample ID: 99AZ-005-11

Collection Date: 12/22/98

Azimuth ID: 9812145-11

Test	Method	Sample Result
Lead	mNIOSH 7082	0.0537 % by wt

Director of Laboratories: Richard D. Bennett, MSPH CIH

AIHA Laboratory ID Number: 9044

NY State ELAP Lab No. 11052

ELLAP Laboratory ID Number: 9044

The detection limit for lead on wipes and in soil is 0.50 mg/L.

Final Approval: Douglas M. Gaggliano, Lab Manager

Date: January 1999



**LEAD-BASED PAINT ABATEMENT
QUARTERS KK
OFFICERS' HOUSING
CHARLESTON NAVAL COMPLEX
CHARLESTON, SC**



Prepared for:

**DEPARTMENT OF THE NAVY
SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON SC**



Prepared by:

**Supervisor of Shipbuilding, Conversion and Repair,
USN, (SUPSHIP) Portsmouth Va.,
Environmental Detachment Charleston, S.C.
1899 North Hobson Ave.
North Charleston, SC 29405-2106**

11 June 1999



DEPARTMENT OF THE NAVY
SUPERVISOR OF SHIPBUILDING CONVERSION AND REPAIR, USN
PORTSMOUTH, VIRGINIA ENVIRONMENTAL DETACHMENT CHARLESTON
1899 NORTH HOBSON AVENUE BUILDING 30
NORTH CHARLESTON SOUTH CAROLINA 29405-2106

IN REPLY REFER TO:

Ser: 463

JUN 10 1999

From: Director, Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va.
Environmental Detachment Charleston, SC (SPORTENVDETHASN)

To: Commanding Officer, Southern Division Naval Facilities Engineering Command
Attn: Archie Browder, Code 18B4 (SOUTHDIR)

Subj: LEAD-BASED PAINT ABATEMENT FOR QUARTERS KK, OFFICERS' HOUSING,
CHARLESTON NAVAL COMPLEX, CHARLESTON, SC

Ref: (a) U.S. Department of Housing and Urban Development (HUD) Guidelines for the
Evaluation and Control of Lead Based Paint Hazards in Housing, dated June 1995

Encl: (1) Quarters KK Clearance Sampling Results and HUD Visual Inspection Form

1. Abatement of lead-based paint (LBP) from Quarters KK located on Charleston Naval Complex is complete. The abatement was performed from 23 November 1998- 20 December 1998, by Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va., Environmental Detachment Charleston. Enclosure (1) provides the LBP Abatement Report for Quarters KK.

2. Using procedures outlined in ref (a), a SPORTENVDETHASN Certified Lead Inspector/ Risk Assessor conducted clearance dust and soil sampling for Quarters KK. Azimuth Laboratories, a National Lead Laboratory Accreditation Program participant, provided analytical results of these samples. Results revealed lead levels below the following HUD Limits:

Floors	100 $\mu\text{g}/\text{ft}^2$
Interior Window Sills	500 $\mu\text{g}/\text{ft}^2$
Window Troughs	800 $\mu\text{g}/\text{ft}^2$
Soil	2000 $\mu\text{g}/\text{ft}^2$

3. If you have any questions, please contact Ruth Zech or John Lawrence at (843) 743-6777 extensions 219 or 223 respectively.


E. R. DEARHART

Form 15.1

Lead Hazard Control Visual Clearance Form

Date 12/22/98
 Name of clearance examiner JB LAWRENCE
 License no. (if applicable) PA 27150-97023
 Name of property owner US NAVY
 Property address 1356 AVE "H" CNC Apt. no. KK
 Date cleanup completed 12/20/98
 Time cleanup completed 1600

Abatement/interim control contractor name ENVIRONMENTAL DETACHMENT CHARLESTON
 Address 1899 NORTH HOBSON AVE, NORTH CHARLESTON, SC
 Telephone no. (243) 743-6777 294

Check if repeat clearance examination ☐

Room identifier	List all building components required to be treated in each room	Work on each component completed? (yes or no)	Visible paint chips seen? (yes or no)	Visible settled dust seen? (yes or no)	Additional work required?
RM1 FL1	WINDOWS	YES	No	No	No
RM2 FL1	WINDOWS	YES	No	No	No
RM3 FL1	WINDOWS CLOSET BASEBOARDS	YES	No	No	No
BATH1 FL1	N/A	N/A	N/A	N/A	N/A
KITCHEN FL1	WINDOWS	YES	No	No	No
HALL1 FL1	DOOR	YES	No	No	No
HALL2 FL1	CLOSET DOOR JAMBS	YES	No	No	No
HALL3 FL1	N/A	N/A	N/A	N/A	N/A
RM1 FL2	WINDOWS	YES	No	No	No
RM2 FL2	WALL BASEBOARDS	YES	No	No	No
RM3 FL2	WINDOWS	YES	No	No	No

Exterior soil ☐ Treated ☒ Not treated
 If treated, is bare soil present? ☐ Yes ☐ No
 Was contaminated soil removed? ☐ Yes ☒ No
 Is additional soil treatment required? ☐ Yes ☒ No

NOTES: ALL WINDOWS AND CASINGS REPLACED

Signature JB Lawrence

Form 15.1

Lead Hazard Control Visual Clearance Form

Date 12/22/98
 Name of clearance examiner JB LAWRENCE
 License no. (if applicable) PA 27150-97023
 Name of property owner US NAVY
 Property address 1356 AVE "H" CNC Apt. no. KK
 Date cleanup completed 12/20/98
 Time cleanup completed 1600

Abatement/interim control contractor name ENVIRONMENTAL DETACHMENT CHARLESTON
 Address 1899 NORTH HOBSON AVE, NORTH CHARLESTON, SC
 Telephone no. (843) 743-6777 2940

Check if repeat clearance examination

Room identifier	List all building components required to be treated in each room	Work on each component completed? (yes or no)	Visible paint chips seen? (yes or no)	Visible settled dust seen? (yes or no)	Additional work required?
BATH 2 FL2	WINDOW	YES	No	No	No
BATH 3 FL2	WINDOW	YES	No	No	No
HALL 4 FL2	WINDOW	YES	No	No	No
PORCH 1	COLUMNS, WALLS, WINDOWS CEILING, DOORS & TRIM	YES	No	No	No
PORCH 2	DOORS & TRIM	YES	No	No	No
EXTERIOR	GARAGE DOOR & CASING BUNINGS, DOORS & CASINGS, WINDOWS, FACIA & SOFFIT COLUMNS & LATTICE TRIM	YES	No	No	No

Exterior soil Treated X Not treated
 If treated, is bare soil present? Yes No
 Was contaminated soil removed? Yes X No
 Is additional soil treatment required? Yes X No

NOTES: ALL WINDOWS AND CASINGS REPLACED

Signature JB Lawrence

Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)Date: **22 December 1998**Name of clearance examiner: **JB Lawrence**License No. **Pb27150-97038**Name of property owner: **SOUTHNAVFACENGCOM** Property address **1356 Avenue H** Apt. No: **Quarters KK**

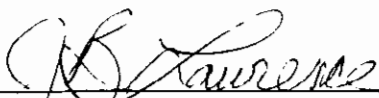
Clearance categories:

1. Interior treatments without containment.
2. Interior treatments with containment.
3. Exterior work on painted surfaces.
4. Routine maintenance.
5. Soil work.

Sample number	Fir	Room # or identifier	Surface type (floor, interior window sill, window trough)	Clearance Category number	Dimensions of sample area (inches)	Area (ft ²) (can be completed by lab)	Lab Results (µg/ft ²) (can be completed by lab)	Pass or Fail
99AZ-006-01	1	Rm 1	Floor (Side C, by door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-006-02	1	Rm 1	Window #1Sill	2	12" x 2-1/2"	.2	< 120 µg/ft ²	P
99AZ-006-03	--	BLANK	BLANK	2	BLANK	BLANK	< 25 µg/ft ²	P
99AZ-006-04	1	Rm 2	Floor (by door #2)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-006-05	1	Rm 2	Window Trough (Side C)	2	12" x 4"	.33	< 120 µg/ft ²	P
99AZ-006-06	2	Rm 2	Floor (by door #3)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-006-07	2	Rm 2	Window Trough #3	2	12" x 4"	.33	< 75 µg/ft ²	P
99AZ-006-08	2	Rm 3	Floor (by door #4)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-006-09	2	Rm 3	Window Trough #2	2	12" x 4"	.33	< 75 µg/ft ²	P
99AZ-006-10	1	Porch 1	Floor (by Door #1)	2	12" x 12"	1	< 25 µg/ft ²	P

Total number of samples on this page **9**Page **1** of **1**Date of sample collection **12/22/1998**Date shipped to lab **12/22/1998**

Shipped by


 (Signature)

Lead Hazard Control Clearance Soil Sampling Form (Composite Sampling Only)

Name of clearance examiner J B LAWRENCE

License no. (if applicable) P6 27150-97023

Name of property owner US NAVY

Property address 1356 AVE "H" CNR Apt. no. 1K1K

[illegible]

Sketch soil sampling plot plan. Collect only the top 1/2" of soil.

Total number of samples on this page 2

Page 1 of 1

Date of sample collection 12/22/98 Date shipped to lab 12/22/98

Shipped by J. Lawrence Received by _____
(Signature) (Signature)

LABORATORIES

Test Request Form

A Division of ARIZONA, Incorporated

9229 University Blvd.
Charleston, SC 29406
(800) 968-3565 Fax (803) 569-3252

Name VIVIAN WASHINGTON
Address 1844 NORTH HOBSON AVE
NORTH CHARLESTON, SC
29405-2106

Special requests: 5 DAY TURNAROUND
Verbal results YES
Fax report YES
Fax # 743-6213
Results needed by: 1-4-99

Project No. QTR KK Sample Type LEAD DUST & SOIL # of Samples 12 P.O. CREDIT CARD
Contact Name BILL HERSI Phone No. 743-6777 EXT 223 Date Shipped 12-22-98
J.B. LAWRENCE
Special Instructions / Unusual Conditions / Possible Interferences:
ANALYZE PER APPENDIX 14 OF HUD GUIDELINES

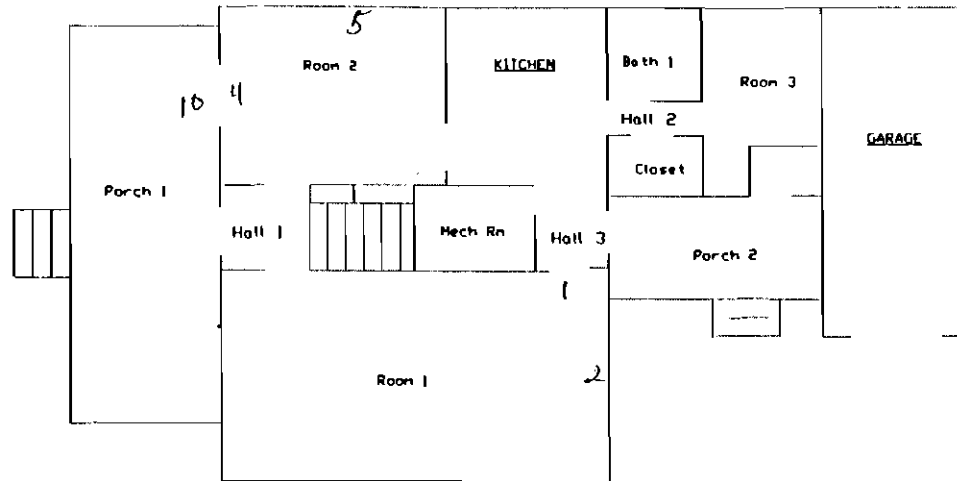
Lab Use Only	Sample Number or Area	Sample Volume or Time	Date Sampled	Media Type	Analysis Requested
	99AZ-006-1	12" x 12"	12-22-98	DUST	LEAD
	99AZ-006-2	12" x 2 1/2"	12-22-98	DUST	LEAD
	99AZ-006-3	12" x 12"	12-22-98	DUST	LEAD
	99AZ-006-4	12" x 12"	12-22-98	DUST	LEAD
	99AZ-006-5	12" x 2 1/2"	12-22-98	DUST	LEAD
	99AZ-006-6	12" x 12"	12-22-98	DUST	LEAD
	99AZ-006-7	12" x 4"	12-22-98	DUST	LEAD
	99AZ-006-8	12" x 12"	12-22-98	DUST	LEAD
	99AZ-006-9	12" x 4"	12-22-98	DUST	LEAD
	99AZ-006-10	12" x 12"	12-22-98	DUST	LEAD
	99AZ-006-11	—	12-22-98	SOIL	LEAD
	99AZ-006-12	—	12-22-98	SOIL	LEAD

American Industrial Hygiene Association: Laboratory Accreditation #367.

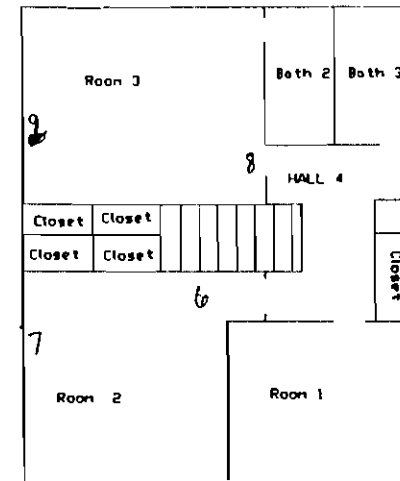
National Institute of Standards and Technology: NVLAP Laboratory Code #1050.

CHAIN OF CUSTODY	Released by: <u>[Signature]</u> <u>12/22/98</u> <u>1534</u>	Received by: _____	Useful time _____
	Released to: _____	Received at Lab by: _____	Date/Time _____
Method of Shipment _____		Sample Condition Upon Receipt: <input type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain) _____	
Authorized by: _____ Date _____			
(Client signature must accompany request)			

Side C



FIRST FLOOR



SECOND FLOOR

Side A

Side D

Side B

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan Qtrs KK
1356 Avenue H
Charleston Naval Complex
Charleston, SC

DWG DATE: 3 Mar 98

DWG NAME: Qtrs KK



CLIENT: SPORTENVDETHASN
1899 N Hobson Ave., BLDG. 30
N. Charleston, SC 29405-2106
ATTN.: John Lawrence

Project Info: QTR KK

Purchase Ord: Credit Card - Torn

Workorder: 9812144
Received: 12/22/98 4:42:00 PM
Received by: McGuigan T
Validated: 1/5/99 4:30:00 PM
Validated by: Gallagher J
Approved: 1/5/99 4:30:00 PM
Approved by: Gallagher J

Client Sample ID: 99AZ-006-1
Azimuth ID: 9812144-01

Collection Date: 12/22/98

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-006-2
Azimuth ID: 9812144-02

Collection Date: 12/22/98

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<120 ug/ft2

Client Sample ID: 99AZ-006-3
Azimuth ID: 9812144-03

Collection Date: 12/22/98

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-006-4
Azimuth ID: 9812144-04

Collection Date: 12/22/98

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Chapter 15: Clearance

Form 15.1 Lead Hazard Control Visual Clearance Form

Date 12/22/98
 Name of clearance examiner JB LAWRENCE
 License no. (if applicable) PA 27150-97023
 Name of property owner US NAVY
 Property address 1356 AVE "H" CNC Apt. no. KK
 Date cleanup completed 12/20/98
 Time cleanup completed 1600

Abatement/interim control contractor name ENVIRONMENTAL DETACHMENT CHARLESTON
 Address 1899 NORTH HOBSON AVE, NORTH CHARLESTON, SC
 Telephone no. (843) 743-6777 294

Check if repeat clearance examination

Room identifier	List all building components required to be treated in each room	Work on each component completed? (yes or no)	Visible paint chips seen? (yes or no)	Visible settled dust seen? (yes or no)	Additional work required?
RM1 FL1	WINDOWS	YES	No	No	No
RM2 FL1	WINDOWS	YES	No	No	No
RM3 FL1	WINDOWS CLOSET BASEBOARDS	YES	No	No	No
BATH1 FL1	N/A	N/A	N/A	N/A	N/A
KITCHEN FL1	WINDOWS	YES	No	No	No
HALL1 FL1	DOOR	YES	No	No	No
HALL2 FL1	CLOSET DOOR JAMBS	YES	No	No	No
HALL3 FL1	N/A	N/A	N/A	N/A	N/A
RM1 FL2	WINDOWS	YES	No	No	No
RM2 FL2	WALL BASEBOARDS	YES	No	No	No
RM3 FL2	WINDOWS	YES	No	No	No

Exterior soil Treated X Not treated
 If treated, is bare soil present? Yes No
 Was contaminated soil removed? Yes 4 No
 Is additional soil treatment required? Yes 4 No

NOTES: ALL WINDOWS AND CASINGS REPLACED

Signature JB Lawrence

Client Sample ID: 99AZ-006-5

Collection Date: 12/22/98

Azimuth ID: 9812144-05

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<120 ug/ft2

Client Sample ID: 99AZ-006-6

Collection Date: 12/22/98

Azimuth ID: 9812144-06

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-006-7

Collection Date: 12/22/98

Azimuth ID: 9812144-07

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<75 ug/ft2

Client Sample ID: 99AZ-006-8

Collection Date: 12/22/98

Azimuth ID: 9812144-08

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-006-9

Collection Date: 12/22/98

Azimuth ID: 9812144-09

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<75 ug/ft2

Client Sample ID: 99AZ-006-10

Collection Date: 12/22/98

Azimuth ID: 9812144-10

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

ent Sample ID: 99AZ-006-11

Collection Date: 12/22/98

Azimuth ID: 9812144-11

Test	Method	Sample Result
Lead	mNIOSH 7082	0.0862 % by wt

Client Sample ID: 99AZ-006-12

Collection Date: 12/22/98

Azimuth ID: 9812144-12

Test	Method	Sample Result
Lead	mNIOSH 7082	0.0938 % by wt

Director of Laboratories: Richard D. Bennett, MSPH CIH

AIHA Laboratory ID Number: 9044

NY State ELAP Lab No. 11052

ELLAP Laboratory ID Number: 9044

The detection limit for lead on wipes is 0.50 mg/L and for lead in soil is 0.50 mg/L.

Final Approval: Joseph M. Guggen Lab Manager

Date: January 6, 1999



**LEAD-BASED PAINT ABATEMENT
QUARTERS LL
OFFICERS' HOUSING
CHARLESTON NAVAL COMPLEX
CHARLESTON, SC**



Prepared for:

**DEPARTMENT OF THE NAVY
SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON SC**



Prepared by:

**Supervisor of Shipbuilding, Conversion and Repair,
USN, (SUPSHIP) Portsmouth Va.,
Environmental Detachment Charleston, S.C.
1899 North Hobson Ave.
North Charleston, SC 29405-2106**

11 June 1999



DEPARTMENT OF THE NAVY
SUPERVISOR OF SHIPBUILDING, CONVERSION AND REPAIR, USN
PORTSMOUTH, VIRGINIA, ENVIRONMENTAL DETACHMENT CHARLESTON
1399 NORTH HOBSON AVENUE, BUILDING 30
NORTH CHARLESTON, SOUTH CAROLINA 29405-2106

IN REPLY REFER TO

Ser: 464
JUN 16 1999

From: Director, Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va.
Environmental Detachment Charleston, SC (SPORTENVDETHASN)
To: Commanding Officer, Southern Division Naval Facilities Engineering Command
Attn: Archie Browder, Code 18B4 (SOUTHDIV)
Subj: LEAD-BASED PAINT ABATEMENT FOR QUARTERS LL, OFFICERS' HOUSING,
CHARLESTON NAVAL COMPLEX, CHARLESTON, SC
Ref: (a) U.S. Department of Housing and Urban Development (HUD) Guidelines for the
Evaluation and Control of Lead Based Paint Hazards in Housing, dated June 1995
Encl: (1) Quarters LL Clearance Sampling Results and HUD Visual Inspection Form

1. Abatement of lead-based paint (LBP) from Quarters LL located on Charleston Naval Complex is complete. The abatement was performed from 4 January 1999- 10 February 1999, by Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va.. Environmental Detachment Charleston. Enclosure (1) provides the LBP Abatement Report for Quarters LL.

2. Using procedures outlined in ref (a), a SPORTENVDETHASN Certified Lead Inspector/Risk Assessor conducted clearance dust and soil sampling for Quarters LL. Azimuth Laboratories, a National Lead Laboratory Accreditation Program participant, provided analytical results of these samples. Initial *soil* samples tested above HUD lead levels. The top level of the soil was removed, and the soil was resampled. This set of soil sampling results revealed lead levels below the following HUD Limits:

Floors	100 $\mu\text{g}/\text{ft}^2$
Interior Window Sills	500 $\mu\text{g}/\text{ft}^2$
Window Troughs	800 $\mu\text{g}/\text{ft}^2$
Soil	2000 $\mu\text{g}/\text{ft}^2$

3. If you have any questions, please contact Ruth Zech or John Lawrence at (843) 743-6777 extensions 219 or 223 respectively.


E. R. DEARHART

Lead Hazard Control Visual Clearance Form

Date: 17 February 1999Name of clearance examiner: Ruth ZechLicense No. Pb27150-97038Name of property owner: SOUTHNAVFACENGCOM Property address 1351 Avenue GApt. no: Quarters LLDate cleanup completed 10 February 1999 Time cleanup completed 1600Abatement/interim control contractor name: Environmental Detachment CharlestonAddress: 1899 North Hobson AvenueTelephone no. 843-743-6777

Check if repeat clearance examination _____

Room identifier	List all building components required to be treated in each room	Work on each Component completed? (yes or no)	Visible paint Chips seen? (yes or no)	Visible Settled Dust seen? (yes or no)	Additional work required?
1 st Flr, Rm 1	Windows, Window Stools/Troughs, Doors	Yes	No	No	No
1 st Flr, Rm 2	Windows, Ceiling	Yes	No	No	No
1 st Flr, Rm 3	Windows, Window Stools/Troughs, Doors	Yes	No	No	No
Hall 1	Doors	Yes	No	No	No
Hall 3	Doors, Door Jambs/Casings, Ceiling	Yes	No	No	No
Bath 1	Windows	Yes	No	No	No
Porch 1	Columns/Lattice/Trim, Walls, Doors, Door Jambs/Casings, Ceiling, Blind Window, Conduit	Yes	No	No	No
Porch 2	Columns/Lattice/Trim, Walls, Entry Door, Door Jambs/Casings, Ceiling, Window & casings	Yes	No	No	No
2 nd Flr Rm 1	Windows & Troughs, Walls & Crown Moulding, Closet Walls & Ceilings	Yes	No	No	No
2 nd Flr Rm 2	Windows & Troughs/Aprons, Doors & Jambs/Casings	Yes	No	No	No
2 nd Flr Rm 3	Windows & Troughs/Stools/Casings, Walls & Crown Moulding, Closet Walls & Ceilings/Baseboard, Doors & Jambs/Casing	Yes	No	No	No
Bath 2	Windows & Stools, Door	Yes	No	No	No
Bath 3	Windows	Yes	No	No	No
Hall 4	Windows & Troughs, Doors & Jambs/Casings, Baseboards, Closet Baseboards	Yes	No	No	No
Stairwell	Railcaps, Newel Posts	Yes	No	No	No
Exterior	Awnings, Door Jambs/Casings, Window Sashes/Stools/Casings, Facia/Soffit, Trimwork, Elec Panels/Conduit, Doors, Porch Columns/Lattice/Trim/Railcaps	Yes	No	No	No

Exterior soil

____ Treated

____ ☒ Not treated

If treated, is bare soil present?

____ Yes

____ ☒ No

Was contaminated soil removed?

____ Yes

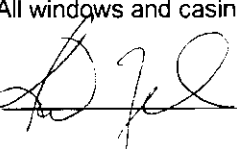
____ ☒ No

Is additional soil treatment required?

____ Yes

____ ☒ No**NOTES:** All windows and casings replaced

Signature



Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)Date: **17 February 1999**Name of clearance examiner: **Ruth Zech**License No. **Pb27150-97038**Name of property owner: **SOUTHNAVFACENGCOM** Property address **1351 Avenue G** Apt. No: **Quarters LL**

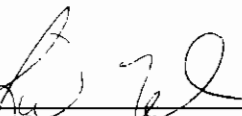
Clearance categories:

1. Interior treatments without containment.
2. Interior treatments with containment.
3. Exterior work on painted surfaces.
4. Routine maintenance.
5. Soil work.

Sample number	Flr	Room # or identifier	Surface type (floor, interior window sill, window trough)	Clearance Category number	Dimensions of sample area (inches)	Area (ft ²) (can be completed by lab)	Lab Results (µg/ft ²) (can be completed by lab)	Pass or Fail
99AZ-013-01	1	Hall 1	Floor (Side B, in front of door)	2	12" x 12"	1	<25 µg/ft ²	P
99AZ-013-02	1	Rm 1	Window Sill (Side A)	2	12" x 2-1/2"	.2	<125 µg/ft ²	P
99AZ-013-03	1	Rm 3	Floor (Side D, in front of door)	2	12" x 12"	1	<25 µg/ft ²	P
99AZ-013-04	1	Rm 3	Window Trough (Side C)	2	12" x 4"	.33	194 µg/ft ²	P
99AZ-013-05	2	Rm 1	Floor (Side B, in front of door)	2	12" x 12"	1	<25 µg/ft ²	P
99AZ-013-06	2	Rm 1	Window Sill (Side D)	2	12" x 2-1/2"	.2	<125 µg/ft ²	P
99AZ-013-07	2	Rm 3	Floor (Side B in front of door)	2	12" x 12"	1	<25 µg/ft ²	P
99AZ-013-08	2	Rm 3	Window Trough (Side D)	2	12" x 4"	.33	<76 µg/ft ²	P
99AZ-013-09	--	BLANK	BLANK	2	BLANK	BLANK	<25 µg/ft ²	P

Total number of samples on this page **9**Page **1** of **1**Date of sample collection **02/17/99**Date shipped to lab **02/17/99**

Shipped by


 (Signature)

Lead Hazard Control Clearance Soil Sampling Form (Composite Sampling Only)Date: **17 February, 1999**Name of clearance examiner: **Ruth Zech**License No. **Pb27150-97038**Name of property owner: **SOUTHNAVFACENGCOM** Property address **1351 Avenue G** Apt. no: **Quarters LL**

Sample number	Location	Bare or covered	Lab result (µg/g)
99AZ-013-10	Side D Dripline	Bare	2335 µg/g
99AZ-013-11	Side C Dripline	Bare	2550 µg/g

Sketch soil sampling plot plan. Collect only the top 1/2" of soil.

Total number of samples on this page **2**Page **1** of **1**Date of sample collection **2/17/99**Date shipped to lab **2/17/99**

Shipped by

(Signature)

Lead Hazard Control Clearance Soil Sampling Form (Composite Sampling Only)Date: **31 March 1999**Name of clearance examiner: **Ruth Zech**License No. **Pb27150-97038**Name of property owner: **SOUTHNAVFACENGCOM** Property address **1351 Avenue G** Apt. no: **Quarters LL**

Sample number	Location	Bare or covered	Lab result ($\mu\text{g/g}$)
99AZ-030-01	Side D Dripline	Bare	1345 $\mu\text{g/g}$
99AZ-030-02	Side C Dripline	Bare	1396 $\mu\text{g/g}$

Sketch soil sampling plot plan. Collect only the top 1/2" of soil.

Total number of samples on this page **2**Page **1** of **1**Date of sample collection **3/31/99**Date shipped to lab **3/31/99**

Shipped by

(Signature)

A Division of Azimuth, Incorporated

9229 University Blvd.

Charleston, SC 29406

(800) 968-3565 Fax (803) 569-3282

Test Request Form

 Name Env Detachment Charleston
 Address 1899 North Hobson Avenue
North Charleston SC 29405-2106
 Attn: Bill Hiers 743-6777 x124

 Special requests:
 Verbal results N/A
 Fax report YES
 Fax # 743-0174
 Results needed by: 2/24/99

Project No. <u>Guarters LL</u>	Sample Type <u>Dust/wipe & soil (Lead)</u>	# of Samples <u>11</u>	P.O. <u>CREDIT CARD - TOM</u>
Contact Name <u>J. Lawrence</u>	Phone No. <u>743-6777 x223</u>	Date Shipped <u>2/17/99</u>	

Special Instructions / Unusual Conditions / Possible Interferences:

Analyze for Appendix H of that Guidelines

Lab Use Only	Sample Number or Area	Sample Volume or Time <u>29 ft</u>	Date Sampled	Media Type	Analysis Requested
✓	99AZ-013-01	1	<u>17 Feb 99</u>	Dust Wipe	Lead
✓	99AZ-013-02	.2			
✓	99AZ-013-03	1			
✓	99AZ-013-04	.33			
✓	99AZ-013-05	1			
✓	99AZ-013-06	.2			
✓	99AZ-013-07	1			
✓	99AZ-013-08	.33			
✓	99AZ-013-09	1		↓	
✓	99AZ-013-10	soil		soil	
✓	99AZ-013-11	soil	✓	soil	↓

American Industrial Hygiene Association: Laboratory Accreditation #367

MAIN OF CUSTODY	Relinquished by: <u>[Signature]</u>	Date/TIME: <u>2/24/99 1328</u>	Received by: <u>William R. Hiers, Jr.</u>	Date/TIME: <u>2/24/99 1328</u>
	Relinquished by: <u>William R. Hiers, Jr.</u>	Date/TIME: <u>2/24/99 1554</u>	Received at Lab by: <u>J.M. [Signature]</u>	Date/TIME: <u>2/24/99 1554</u>
	Method of Shipment:		Sample Condition Upon Receipt: <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)	
Authorized by: _____ Date: _____			Encl (1)	
(Client Signature <u>Must</u> Accompany Request)			Page 5 of 11	



CLIENT: SPORTENVDETHASN

1899 N Hobson Ave., BLDG. 30

N. Charleston, SC 29405-2106

ATTN.: John Lawrence

Project Info: Quarters LL

Purchase Ord: Credit Card-Tom Kizer

Workorder: 9902072

Received: 2/17/99 4:17:00 PM

Received by: McGuigan T

Validated: 2/22/99 4:02:00 PM

Validated by: McGuigan T

Approved: 2/22/99 4:02:00 PM

Approved by: McGuigan T

Client Sample ID: 99AZ-013-01

Azimuth ID: 9902072-01

Collection Date: 2/17/99

Test	Method	Sample Result
Vipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-013-02

Azimuth ID: 9902072-02

Collection Date: 2/17/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<125 ug/ft2

Client Sample ID: 99AZ-013-03

Azimuth ID: 9902072-03

Collection Date: 2/17/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-013-04

Azimuth ID: 9902072-04

Collection Date: 2/17/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	194 ug/ft2

Printed 2/22/99

Page 1 of 3

A Division of Azimuth, Incorporated

9229 University Blvd. ▲ Charleston, South Carolina 29406 ▲ (800) 968-3565 toll-free ▲ (843) 553-9456

Encl (1)

Page 6 of 11

Sample ID: 99AZ-013-05

Collection Date: 2/17/99

Azimuth ID: 9902072-05

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-013-06

Collection Date: 2/17/99

Azimuth ID: 9902072-06

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<125 ug/ft2

Client Sample ID: 99AZ-013-07

Collection Date: 2/17/99

Azimuth ID: 9902072-07

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-013-08

Collection Date: 2/17/99

Azimuth ID: 9902072-08

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<76 ug/ft2

Client Sample ID: 99AZ-013-09

Collection Date: 2/17/99

Azimuth ID: 9902072-09

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-013-10

Collection Date: 2/17/99

Azimuth ID: 9902072-10

Test	Method	Sample Result
Lead	mNIOSH 7082	0.2335 % by wt

Sample ID: 99AZ-013-11		Collection Date: 2/17/99
Azimuth ID: 9902072-11		
Test	Method	Sample Result
Lead	mNIOSH 7082	0.2550 % by wt

Director of Laboratories: Richard D. Bennett, MSPH CIH

AIHA Laboratory ID Number: 9044

NY State ELAP Lab No. 11052

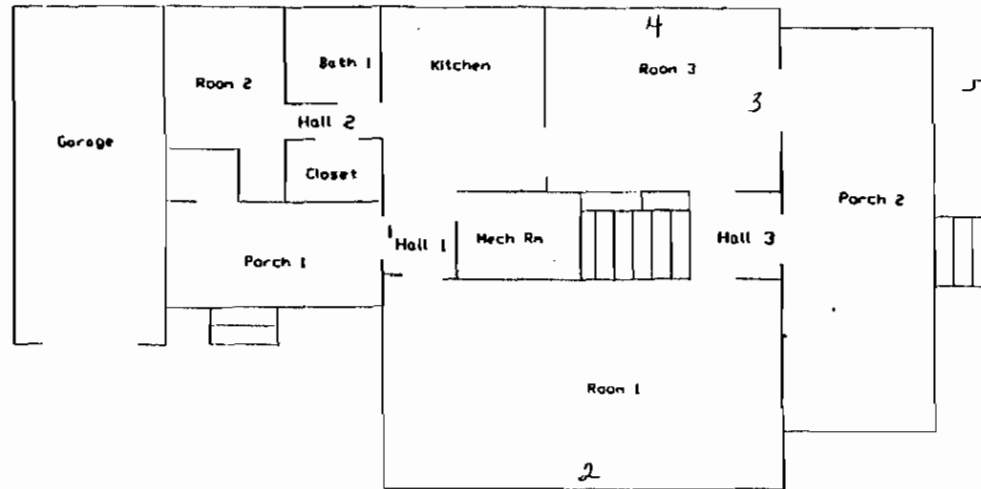
ELLAP Laboratory ID Number: 9044

The detection limit for Lead in soil and on wipes is 0.5mg/L. A blank was not submitted with the wipe samples.

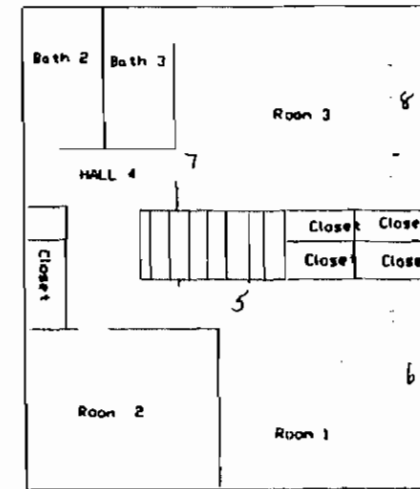
Final Approval: Dr. M. Guggen, Lab Manager

Date: February 23, 1999

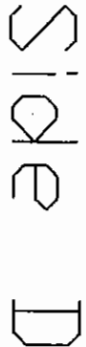
Side C



FIRST FLOOR



SECOND FLOOR



Side A

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan Qtrs LL
1351 Avenue G
Charleston Naval Complex
Charleston, SC

DWG DATE: 3 Mar 98 DWG NAME: Qtrs LL



CLIENT: SPORTEENVDETHASN

1899 N Hobson Ave., BLDG. 30

N. Charleston, SC 29405-2106

ATTN.: Bill Hiers

Project Info: Quarters LL

Purchase Ord: Credit Card - Tom

Workorder: 9903148

Received: 3/31/1999 10:17:00 AM

Received by: McGuiggan T

Validated: 4/8/1999 9:45:00 AM

Validated by: McGuiggan T

Approved: 4/8/1999 9:45:00 AM

Approved by: McGuiggan T

Client Sample ID: 99AZ-030-01

Collection Date: 3/30/1999

Azimuth ID: 9903148-01

Test	Method	Sample Result
Lead	mNIOSH 7082	0.1345 % by wt

Client Sample ID: 99AZ-030-02

Collection Date: 3/30/1999

Azimuth ID: 9903148-02

Test	Method	Sample Result
Lead	mNIOSH 7082	0.1396 % by wt

Director of Laboratories: Richard D. Bennett, MSPH CIH

AIHA Laboratory ID Number: 9044

NY State ELAP Lab No. 11052

ELLAP Laboratory ID Number: 9044

The detection limit for lead in soil is 0.50mg/L.

Final Approval:

Tom McGuiggan, lab manager

Date:

April 8, 1999



(800) 968-3565 Fax (803) 569-3282

Name ENVIRONMENTAL DETACHMENT CHARLESTON
Address 1899 NORTH HOBSON AVE.
NORTH CHARLESTON, S.C.
29405-2106

Results needed by: 4/7/99

Special Instructions / Unusual Conditions / Possible Interferences:
ANALYZE PER APPENDIX 14 OF HUD GUIDELINES.

[illegible]

American Industrial Hygiene Association: Laboratory Accreditation #367

OF CUSTODY	Relinquished by: <u>J. Lawrence</u>	Date/Time: <u>3/31/99 0905</u>	Received by: _____	Date/Time: <u>3/31/99</u>
	Relinquished by: _____	Date/Time: _____	Received at Lab by: <u>W. J. [unclear]</u>	_____
	Method of Shipment: _____		Sample Condition Upon Receipt: <u>OK</u> Acceptable <input type="checkbox"/>	
Authorized by: _____ Date: _____ (Client Signature Must Accompany Request)			Encl (1) Page 11 of 11	

Encl (1)
Page 11 of 11



**LEAD-BASED PAINT ABATEMENT
QUARTERS M-5
OFFICERS' HOUSING
CHARLESTON NAVAL COMPLEX
CHARLESTON, SC**



Prepared for:

**DEPARTMENT OF THE NAVY
SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON SC**



Prepared by:

**Supervisor of Shipbuilding, Conversion and Repair,
USN, (SUPSHIP) Portsmouth Va.,
Environmental Detachment Charleston, S.C.
1899 North Hobson Ave.
North Charleston, SC 29405-2106**

11 June 1999



DEPARTMENT OF THE NAVY
SUPERVISOR OF SHIPBUILDING, CONVERSION AND REPAIR, USN
PORTSMOUTH, VIRGINIA, ENVIRONMENTAL DETACHMENT CHARLESTON
1899 NORTH HOBSON AVENUE, BUILDING 30
NORTH CHARLESTON, SOUTH CAROLINA 29405-2106

IN REPLY REFER TO:

Ser: 465

JUN 16 1999

From: Director, Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va.
Environmental Detachment Charleston, SC (SPORTENVDETHASN)
To: Commanding Officer, Southern Division Naval Facilities Engineering Command
Attn: Archie Browder, Code 18B4 (SOUTHDIV)

Subj: LEAD-BASED PAINT ABATEMENT FOR QUARTERS M-5, OFFICERS'
HOUSING, CHARLESTON NAVAL COMPLEX, CHARLESTON, SC

Ref: (a) U.S. Department of Housing and Urban Development (HUD) Guidelines for the
Evaluation and Control of Lead Based Paint Hazards in Housing, dated June 1995

Encl: (1) Quarters M-5 Clearance Sampling Results and HUD Visual Inspection Form

1. Abatement of lead-based paint (LBP) from Quarters M-5 located on Charleston Naval Complex is complete. The abatement was performed from 1 March 1999- 13 March 1999, by Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va., Environmental Detachment Charleston. Enclosure (1) provides the LBP Abatement Report for Quarters M-5.

2. Using procedures outlined in ref (a), a SPORTENVDETHASN Certified Lead Inspector/ Risk Assessor conducted clearance dust and soil sampling for Quarters M-5. Azimuth Laboratories, a National Lead Laboratory Accreditation Program participant, provided analytical results of these samples. Initial *soil* samples tested above HUD lead levels. The top level of the soil was removed, and the soil was resampled. This set of soil sampling results revealed lead levels below the following HUD Limits:

Floors	100 $\mu\text{g}/\text{ft}^2$
Interior Window Sills	500 $\mu\text{g}/\text{ft}^2$
Window Troughs	800 $\mu\text{g}/\text{ft}^2$
Soil	2000 $\mu\text{g}/\text{ft}^2$

3. If you have any questions, please contact Ruth Zech or John Lawrence at (843) 743-6777 extensions 219 or 223 respectively.


E. R. DEARHART

Lead Hazard Control Visual Clearance Form

Date: 15 March 1999 Name of clearance examiner: Ruth Zech License No. Pb27150-97038
 Name of property owner: SOUTHNAVFACENGCOM Property address 804 Marine Avenue Apt. no: Quarters M-5
 Date cleanup completed: 13 March 1999 Time cleanup completed 1600
 Abatement/interim control contractor name: Environmental Detachment Charleston
 Address: 1899 North Hobson Avenue Telephone no. 843-743-6777 Check if repeat clearance examination

Room identifier	List all building components required to be treated in each room	Work on each Component Completed? (yes or no)	Visible paint Chips seen? (yes or no)	Visible Settled Dust seen? (yes or no)	Additional work required?
1 st Flr, Rm 1	Walls, Windows, Ceiling & Crown Moulding	Yes	No	No	No
1 st Flr, Rm 2	Walls, Windows & Ceiling	Yes	No	No	No
1 st Flr, Rm 3	Walls, Windows, Ceiling, & Crown Moulding	Yes	No	No	No
Hall 1	Walls, Ceiling	Yes	No	No	No
Hall 3	Walls, Ceiling, & Crown Moulding	Yes	No	No	No
Kitchen	Windows	Yes	No	No	No
Bath 1	Windows	Yes	No	No	No
Porch 1	Walls/Ceiling, Door/Jambs/Casings, Window Stools, Columns/Lattice/Trim,	Yes	No	No	No
Porch 2	Walls/Ceiling/Crown Moulding, Columns/Lattice/Trim, Doors/Jambs/ Casings	Yes	No	No	No
2 nd Flr Rm 1	Walls/Ceiling, Windows	Yes	No	No	No
2 nd Flr Rm 2	Walls/Ceiling/Crown Moulding, Windows, Closet Walls/ Ceiling	Yes	No	No	No
2 nd Flr Rm 3	Walls/Ceiling/Crown Moulding, Closet Walls/Ceiling, Windows	Yes	No	No	No
Bath 2	Windows	Yes	No	No	No
Bath 3	Windows	Yes	No	No	No
Hall 4	Walls, Cabinet Walls, Overhead Door, Overhead Fan Casing, Ceiling & Register, Closet Walls	Yes	No	No	No
Exterior	Porch Columns/Lattice/Trim, Facia/Soffit, Window Sashes/Casings, Screen Sashes, Awnings, Garage Door Casings	Yes	No	No	No

Exterior soil

If treated, is bare soil present?

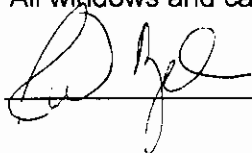
Was contaminated soil removed?

Is additional soil treatment required?

☐ Treated ☒ Not treated
☐ Yes ☒ No
☐ Yes ☒ No
☐ Yes ☒ No

NOTES: All windows and casings replaced

Signature



Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)Date: **15 March 1999**Name of clearance examiner: **Ruth Zech**License No. **Pb27150-97038**Name of property owner: **SOUTHNAVFACENGCOM**Property address **804 Marine Avenue**Apt. No: **Quarters M-5**

Clearance categories:

1. Interior treatments without containment.
2. Interior treatments with containment.
3. Exterior work on painted surfaces.
4. Routine maintenance.
5. Soil work.

Sample number	Fir	Room # or identifier	Surface type (floor, interior window sill, window trough)	Clearance Category number	Dimensions of sample area (inches)	Area (ft ²) (can be completed by lab)	Lab Results (µg/ft ²) (can be completed by lab)	Pass or Fail
99AZ-025-01	1	Rm 1	Floor (Side D, in front of door)	2	12" x 12"	1	< 49 µg/ft ²	P
99AZ-025-02	1	Rm 1	Window Sill (Side A)	2	12" x 2-1/2"	.2	< 125 µg/ft ²	P
99AZ-025-03	1	Rm 3	Floor (Side D, in front of door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-025-04	1	Rm 3	Window Trough (Side C)	2	12" x 4"	.33	< 76 µg/ft ²	P
99AZ-025-05	--	BLANK	BLANK	2	BLANK	BLANK	< 125 µg/ft ²	P
99AZ-025-06	2	Rm 1	Floor (Side B, in front of door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-025-07	2	Rm 1	Window Sill (Side D)	2	12" x 2-1/2"	.2	< 125 µg/ft ²	P
99AZ-025-08	2	Rm 2	Floor (Side C, in front of door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-025-09	2	Bath 2	Window Trough (Side B)	2	12" x 4"	.33	< 76 µg/ft ²	P

Total number of samples on this page **9**Page **1** of **1**Date of sample collection **3/15/1999**Date shipped to lab **3/15/1999**

Shipped by

(Signature)

Lead Hazard Control Clearance Soil Sampling Form (Composite Sampling Only)Date: **15 March 1999**Name of clearance examiner: **Ruth Zech**License No. **Pb27150-97038**Name of property owner: **SOUTHNAVFACENGCOM**Property address **804 Marine Avenue**Apt. No: **Quarters M-5**

Sample number	Location	Bare or covered	Lab result ($\mu\text{g/g}$)
99AZ-025-10	Side A Dripline	Bare	59 $\mu\text{g/g}$
99AZ-025-11	Side D Dripline	Bare	319 $\mu\text{g/g}$

Total number of samples on this page **2**Page **1** of **1**Date of sample collection **3/15/99**Date shipped to lab **3/15/99**

Shipped by

(Signature)



A Division of Azimuth, Incorporated

9229 University Blvd.

Charleston, SC 29406

(800) 968-3565 Fax (803) 569-3282

Test Request Form

Name Env Detachment Charleston
Address 1899 North Hobson Avenue
North Charleston 29405-2106
ATTN: Bill Hiers

Special requests:

Verbal results _____

Fax report Yes

Fax # 743-9413

Results needed by: 3/23/99

Project No. Gtrs M-5 Sample Type Dustwipe/soil (Lead) # of Samples 11 P.O. CREDIT CARD-TOM
Contact Name J Blawrence or Ruth Zech Phone No. 743-6777 ext 223 or 219 Date Shipped 3/16/99

Special Instructions / Unusual Conditions / Possible Interferences:

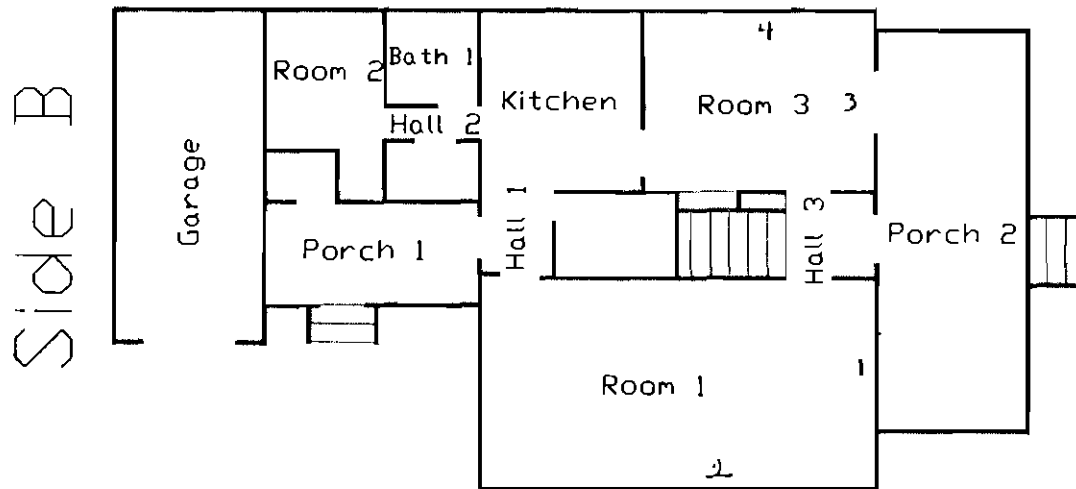
Analyze per Appendix 14 of HUD Guidelines

Lab Use Only	Sample Number or Area	Sample Volume or Time	Date Sampled	Media Type	Analysis Requested
✓	99AZ-025-01	1507	3-13-99	Dustwipe	Lead
✓	99AZ-025-02	1509			
✓	99AZ-025-03	1513			
✓	99AZ-025-04	1515			
✓	99AZ-025-05	1517			
✓	99AZ-025-06	1521			
✓	99AZ-025-07	1523			
✓	99AZ-025-08	1525			
✓	99AZ-025-09	1527		↓	
✓	99AZ-025-10	1534		Soil	
✓	99AZ-025-11	1538	↓	Soil	↓

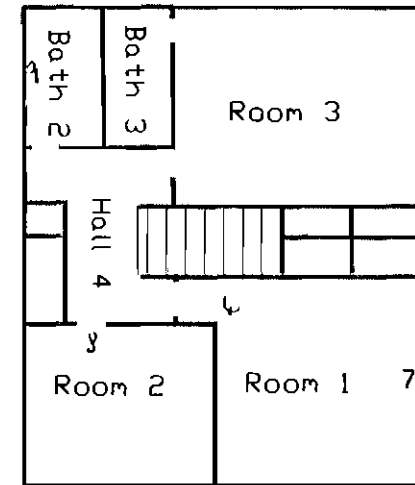
American Industrial Hygiene Association: Laboratory Accreditation #367

CHAIN OF CUSTODY	Relinquished by: <u>[Signature]</u>	Date/TIME: <u>3/16/99 1115</u>	Received by: <u>W. R. Hiers, Jr.</u>	Date/TIME: <u>3/16/99 1115</u>
	Relinquished by: <u>W. R. Hiers, Jr.</u>	Date/TIME: <u>3/16/99 1447</u>	Received at Lab by: <u>[Signature]</u>	Date/TIME: <u>3/16/99 1447</u>
	Method of Shipment: _____		Sample Condition Upon Receipt: <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain) _____	
Authorized by: _____ Date: _____ (Client Signature Must Accompany Request)			Encl (1) Page 4 of 8	

Side C



FIRST FLOOR



SECOND FLOOR

Side A

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Quarters M-5
804 Marine Avenue
Charleston Naval Complex
Charleston, SC

DWG DATE: 18 Feb 98

DWG NAME: Qtrs-M5



CLIENT: SPORTENVDETHASN
1899 N Hobson Ave., BLDG. 30
N. Charleston, SC 29405-2106
ATTN.: Bill Hiers

Project Info: Qtrs M-5

Purchase Ord: Credit Card - Tom

Workorder: 9903085

Received: 3/16/99 4:12:00 PM

Received by: McGuiggan T

Validated: 3/22/99 9:04:00 AM

Validated by: Gallagher J

Approved: 3/22/99 9:04:00 AM

Approved by: Gallagher J

Client Sample ID: 99AZ-025-01

Collection Date: 3/15/99

Azimuth ID: 9903085-01

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	49 ug/ft2

Client Sample ID: 99AZ-025-02

Collection Date: 3/15/99

Azimuth ID: 9903085-02

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<125 ug/ft2

Client Sample ID: 99AZ-025-03

Collection Date: 3/15/99

Azimuth ID: 9903085-03

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-025-04

Collection Date: 3/15/99

Azimuth ID: 9903085-04

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<76 ug/ft2

Client Sample ID: 99AZ-025-05

Collection Date: 3/15/99

Azimuth ID: 9903085-05

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<125 ug/ft2

Client Sample ID: 99AZ-025-06

Collection Date: 3/15/99

Azimuth ID: 9903085-06

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-025-07

Collection Date: 3/15/99

Azimuth ID: 9903085-07

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<125 ug/ft2

Client Sample ID: 99AZ-025-08

Collection Date: 3/15/99

Azimuth ID: 9903085-08

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-025-09

Collection Date: 3/15/99

Azimuth ID: 9903085-09

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<76 ug/ft2

Client Sample ID: 99AZ-025-10

Collection Date: 3/15/99

Azimuth ID: 9903085-10

Test	Method	Sample Result
Lead	mNIOSH 7082	0.0059 % by wt

Client Sample ID: 99AZ-025-11

Collection Date: 3/15/99

Azimuth ID: 9903085-11

Test	Method	Sample Result
Lead	mNIOSH 7082	0.0319 % by wt

Director of Laboratories: Richard D. Bennett, MSPH CIH

AIHA Laboratory ID Number: 9044

NY State ELAP Lab No. 11052

ELLAP Laboratory ID Number: 9044

The detection limit for lead on wipes and lead in soil is 0.50mg/L.

Final Approval:

Dorothy McGuggan, Lab Manager

Date:

March 23, 1999



**LEAD-BASED PAINT ABATEMENT
QUARTERS M-6
OFFICERS' HOUSING
CHARLESTON NAVAL COMPLEX
CHARLESTON, SC**



Prepared for:

**DEPARTMENT OF THE NAVY
SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON SC**



Prepared by:

**Supervisor of Shipbuilding, Conversion and Repair,
USN, (SUPSHIP) Portsmouth Va.,
Environmental Detachment Charleston, S.C.,
1899 North Hobson Ave.
North Charleston, SC 29405-2106**

11 June 1999



DEPARTMENT OF THE NAVY
SUPERVISOR OF SHIPBUILDING, CONVERSION AND REPAIR, USN
PORTSMOUTH, VIRGINIA, ENVIRONMENTAL DETACHMENT CHARLESTON
1899 NORTH HOBSON AVENUE, BUILDING 30
NORTH CHARLESTON, SOUTH CAROLINA 29405-2106

IN REPLY REFER TO:

Ser: 466
JUN 16 1999

From: Director, Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va.
Environmental Detachment Charleston, SC (SPORTENVDETCNASN)
To: Commanding Officer, Southern Division Naval Facilities Engineering Command
Attn: Archie Browder, Code 18B4 (SOUTHDIV)

Subj: LEAD-BASED PAINT ABATEMENT FOR QUARTERS M-6, OFFICERS'
HOUSING, CHARLESTON NAVAL COMPLEX, CHARLESTON, SC

Ref: (a) U.S. Department of Housing and Urban Development (HUD) Guidelines for the
Evaluation and Control of Lead Based Paint Hazards in Housing, dated June 1995

Encl: (1) Quarters M-6 Clearance Sampling Results and HUD Visual Inspection Form

1. Abatement of lead-based paint (LBP) from Quarters M-6 located on Charleston Naval Complex is complete. The abatement was performed from 1 March 1999- 12 March 1999, by Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va., Environmental Detachment Charleston. Enclosure (1) provides the LBP Abatement Report for Quarters M-6.

2. Using procedures outlined in ref (a), a SPORTENVDETCNASN Certified Lead Inspector/Risk Assessor conducted clearance dust and soil sampling for Quarters M-6. Azimuth Laboratories, a National Lead Laboratory Accreditation Program participant, provided analytical results of these samples. Initial *soil* samples tested above HUD lead levels. The top level of the soil was removed, and the soil was resampled. This set of soil sampling results revealed lead levels below the following HUD Limits:

Floors	100 $\mu\text{g}/\text{ft}^2$
Interior Window Sills	500 $\mu\text{g}/\text{ft}^2$
Window Troughs	800 $\mu\text{g}/\text{ft}^2$
Soil	2000 $\mu\text{g}/\text{ft}^2$

3. If you have any questions, please contact Ruth Zech or John Lawrence at (843) 743-6777 extensions 219 or 223 respectively.


E. R. DEARHART

Lead Hazard Control Visual Clearance Form

Date: **30 March 1999**Name of clearance examiner: **Ruth Zech**License No. **Pb27150-97038**Name of property owner: **SOUTHNAVFACENGCOM**Property Address **761 Commissary St**Apt. No: **Quarters M-6**Date cleanup completed: **12 March 1999**Time cleanup completed **1600**Abatement/interim control contractor name: **Environmental Detachment Charleston**Address: **1899 North Hobson Avenue**Telephone No: **843-743-6777**

Check if repeat clearance examination _____

Room identifier	List all building components required to be treated in each room	Work on each Component Completed? (yes or no)	Visible paint Chips seen? (yes or no)	Visible Settled Dust seen? (yes or no)	Additional work required?
1 st Flr, Rm 1	Windows	Yes	No	No	No
1 st Flr, Rm 2	Windows	Yes	No	No	No
1 st Flr, Rm 3	Windows	Yes	No	No	No
Kitchen	Windows	Yes	No	No	No
Bath 1	Windows	Yes	No	No	No
Porch 1	Walls/Ceiling, Columns/Lattice/Trim, Thresholds, Door/Jambs/Casings	Yes	No	No	No
Porch 2	Walls/Ceiling, Columns/Lattice/Trim, Floor, Door/Jambs/Casings	Yes	No	No	No
2 nd Flr Rm 2	Windows	Yes	No	No	No
2 nd Flr Rm 3	Windows	Yes	No	No	No
Bath 2	Windows	Yes	No	No	No
Bath 3	Windows	Yes	No	No	No
Hall 4	Windows, Closet Hanger Rod	Yes	No	No	No
Exterior	Awnings, Facia/Soffit, Porch Columns/Lattice/Trim, Porch Floors, Window Sashes/Casings, Garage Trim, Bulkhead Door	Yes	No	No	No

Exterior soil

If treated, is bare soil present?

Was contaminated soil removed?

Is additional soil treatment required?

____ Treated

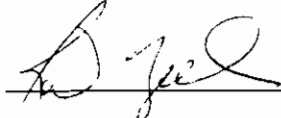
____ Yes

____ Yes

____ Yes

 x Not treated x No x No x No**NOTES:** All windows and casings replaced

Signature



Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)Date: **30 March 1999**Name of clearance examiner: **Ruth Zech**License No. **Pb27150-97038**Name of property owner: **SOUTHNAVFACENGCOM**Property address **761 Commissary St**Apt. No: **Quarters M-6**

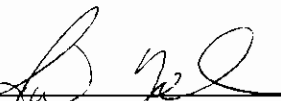
Clearance categories:

1. Interior treatments without containment.
2. Interior treatments with containment.
3. Exterior work on painted surfaces.
4. Routine maintenance.
5. Soil work.

Sample number	Fir	Room # or identifier	Surface type (floor, interior window sill, window trough)	Clearance Category number	Dimensions of sample area (inches)	Area (ft ²) (can be completed by lab)	Lab Results (µg/ft ²) (can be completed by lab)	Pass or Fail
99AZ-026-01	--	BLANK	BLANK	2	BLANK	BLANK	< 25 µg/ft ²	P
99AZ-026-02	1	Rm 1	Floor (Side B, in front of door)	2	12" x 12"	1	< 47 µg/ft ²	P
99AZ-026-03	1	Rm 1	Window Sill (Side A)	2	12" x 2-1/2"	.2	< 125 µg/ft ²	P
99AZ-026-04	1	Rm 2	Floor (Side B, in front of door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-026-05	1	Rm 2	Window Trough (Side C)	2	12" x 4"	.33	< 76 µg/ft ²	P
99AZ-026-06	2	Rm 3	Floor (Side D, in front of door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-026-07	2	Rm 3	Window Sill (Side C)	2	12" x 2-1/2"	.2	< 125 µg/ft ²	P
99AZ-026-08	2	Rm 2	Floor (Side D, in front of door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-026-09	2	Bath 3	Window Trough (Side D)	2	12" x 4"	.33	< 76 µg/ft ²	P

Total number of samples on this page **9**Page **1** of **1**Date of sample collection **3/30/1999**Date shipped to lab **3/31/1999**

Shipped by


 (Signature)



9229 University Blvd.

(800) 968-3565 Fax (803) 569-3282

Name Erin Detachment Lockston
Address 1844 North Hobson Avenue
Alton Lockston SC 29405-1106
ATTN: Bill Hiers

Verbal results _____

Fax # 742 7413

Results needed by: 4/7/99

Project No. G-11-11-6	Sample Type Dist. (W.C. - oil (Liquor))	# of Samples 11	P.O. Credit (HR) JOM
--------------------------	--	--------------------	-------------------------

Contact Name	Phone No.	Date Shipped
THOMAS, L. J.	743-6777 ext. 219	3/31/99

Special Instructions / Unusual Conditions / Possible Interferences:

Diagram - Inertia 4 - HUD continues

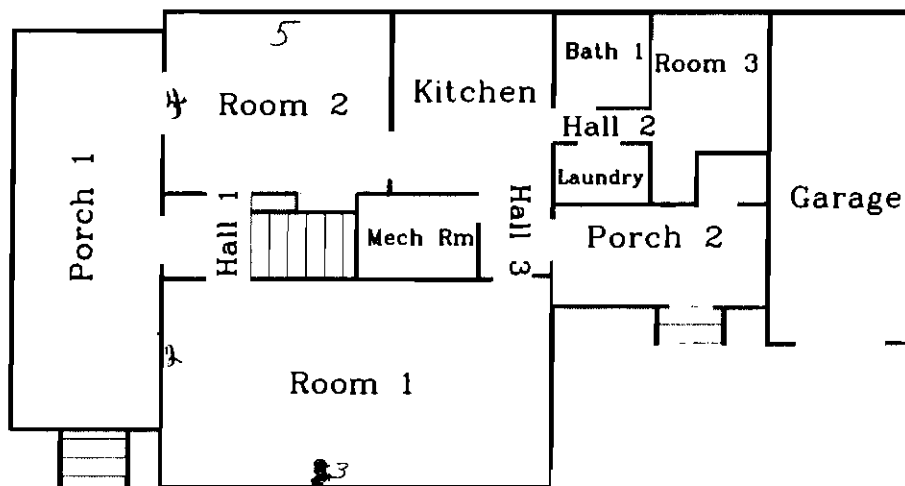
Lab Use Only	Sample Number or Area	Sample Volume or Time	Date Sampled	Media Type	Analysis Requested
	44H2-216-01	1'	3-30-11	Soil core	Lead
	44H2-216-02	1'			
	44H2-216-03	.1'			
	44H2-216-04	1'			
	44H2-216-05	.23			
	44H2-216-06	1'			
	44H2-216-07	.2			
	44H2-216-08	1'			
	44H2-216-09	.33		✓	
	44H2-216-10	—		soil	
	44H2-216-11	—	✓	soil	✓

American Industrial Hygiene Association: Laboratory Accreditation #367

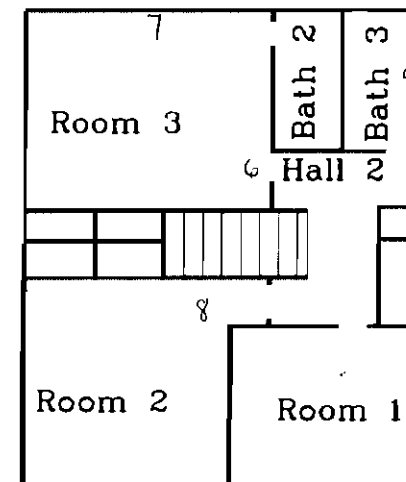
CHAIN OF CUSTODY	Relinquished by: <u>FILE</u>	Date/Time <u>3-1-94 10:34</u>	Received by: <u>CHANDRANO</u>	Date/Time <u>3/1/94 0834</u>
	Relinquished by: <u>CHANDRANO</u>	Date/Time <u>3/1/94 0835</u>	Received at Lab by: <u>CHANDRANO</u>	Date/Time <u>3/1/94 0835</u>
	Method of Shipment		Sample Condition Upon Receipt: <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)	
Authorized by: _____ Date _____ (Client Signature <u>Must</u> Accompany Request)				

Side B

Side C



FIRST FLOOR



SECOND FLOOR

Side D

Side A

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Qtrs M-6
1445 HOBSON AVENUE
Charleston Naval Complex
Charleston, SC

DWG DATE: 18 Feb 98

DWG NAME: Qtrs-X



A Division of Azimuth, Incorporated

9229 University Blvd.

Charleston, SC 29406

(800) 968-3565 Fax (803) 569-3282

Test Request Form

Name Env. Detachment Charleston
Address 1899 North Hobson Avenue
North Charleston, SC 29405-2106
Attn: Bill Hiers

Special requests:

Verbal results

Fax report yes

Fax # 743-9413

Results needed by: 4/7/99

Project No. Qtrs M-6 Sample Type Dust wipe/soil (Lead) # of Samples 11 P.O. Credit CARD TOM

Contact Name J. Lawrence / Rick Zech Phone No. 743-6777 ext 223 or 219 Date Shipped 3/31/99

Special Instructions / Unusual Conditions / Possible Interferences:

Analyze per Appendix 14 of HUD Guidelines

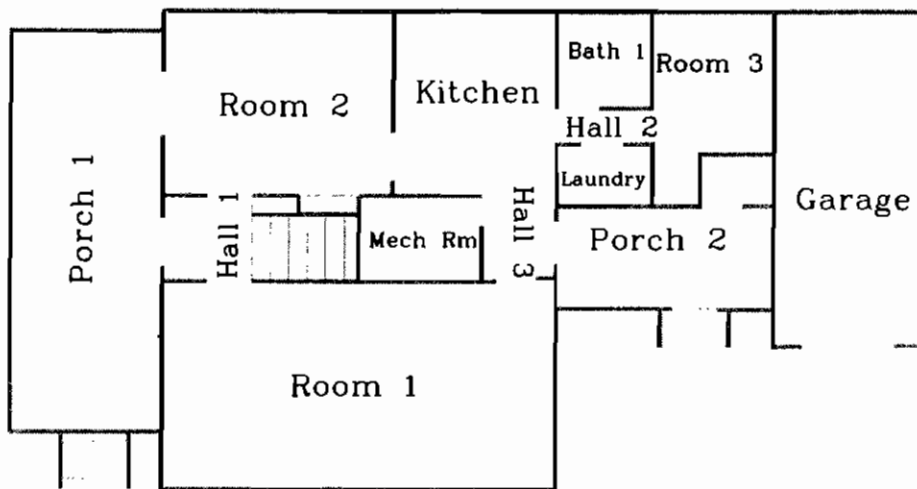
Lab Use Only	Sample Number or Area	Sample Volume or Time	Date Sampled	Media Type	Analysis Requested
-	99AZ-026-01	1'	3-30-99	Dust wipe	Lead
-	99AZ-026-02	1'			
✓	99AZ-026-03	.2'			
✓	99AZ-026-04	1'			
-	99AZ-026-05	.33			
✓	99AZ-026-06	1'			
✓	99AZ-026-07	.2			
✓	99AZ-026-08	1'			
✓	99AZ-026-09	.33		✓	
✓	99AZ-026-10	—		soil	
✓	99AZ-026-11	—	✓	soil	✓

American Industrial Hygiene Association: Laboratory Accreditation #167

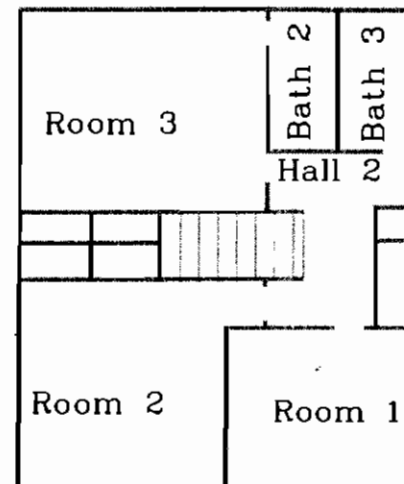
CUSTODY	Relinquished by: <u>J. Lawrence</u>	Date/Time: <u>3-31-99 10834</u>	Received by: <u>J. Lawrence</u>	Date/Time: <u>3/31/99 0834</u>
	Relinquished by: <u>J. Lawrence</u>	Date/Time: <u>3/31/99 0905</u>	Received at Lab by: <u>J. Lawrence</u>	Date/Time: <u>3/31/99 6905</u>
Method of Shipment: <u> </u>			Sample Condition Upon Receipt: <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)	
Authorized by: <u> </u> Date: <u> </u>			Encl (1) Page 4 of 8	
(Client Signature Must Accompany Request)				

Side B

Side C



FIRST FLOOR



SECOND FLOOR

Side D

Side A

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Qtrs M-6
1445 HOBSON AVENUE
Charleston Naval Complex
Charleston, SC

DWG DATE: 18 Feb 98

DWG NAME: Qtrs-X



CLIENT: SPORTENVDETHASN
1899 N Hobson Ave., BLDG. 30
N. Charleston, SC 29405-2106
ATTN.: Bill Hiers

Project Info: Qtrs M-6

Purchase Ord: Credit Card - Tom

Workorder: 9903147

Received: 3/31/99 10:17:00 AM

Received by: McGuiggan T

Validated: 4/8/99 9:35:00 AM

Validated by: McGuiggan T

Approved: 4/8/99 9:35:00 AM

Approved by: McGuiggan T

Client Sample ID: 99AZ-026-01

Collection Date: 3/30/99

Azimuth ID: 9903147-01

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-026-02

Collection Date: 3/30/99

Azimuth ID: 9903147-02

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	47 ug/ft2

Client Sample ID: 99AZ-026-03

Collection Date: 3/30/99

Azimuth ID: 9903147-03

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<125 ug/ft2

Client Sample ID: 99AZ-026-04

Collection Date: 3/30/99

Azimuth ID: 9903147-04

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Report Printed 4/8/99

Page 1 of 3

A Division of Azimuth, Incorporated

9229 University Blvd. ▲ Charleston, South Carolina 29406 ▲ (800) 968-3565 toll-free ▲ (843) 553-9456

Encl (1)
Page 6 of 8

Client Sample ID: 99AZ-026-05
Azimuth ID: 9903147-05

Collection Date: 3/30/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<76 ug/ft2

Client Sample ID: 99AZ-026-06
Azimuth ID: 9903147-06

Collection Date: 3/30/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-026-07
Azimuth ID: 9903147-07

Collection Date: 3/30/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<125 ug/ft2

Client Sample ID: 99AZ-026-08
Azimuth ID: 9903147-08

Collection Date: 3/30/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-026-09
Azimuth ID: 9903147-09

Collection Date: 3/30/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<76 ug/ft2

Client Sample ID: 99AZ-026-10
Azimuth ID: 9903147-10

Collection Date: 3/30/99

Test	Method	Sample Result
Lead	mNIOSH 7082	0.0781 % by wt

Client Sample ID: 99AZ-026-11

Collection Date: 3/30/99

Azimuth ID: 9903147-11

Test	Method	Sample Result
Lead	mNIOSH 7082	0.0397 % by wt

Director of Laboratories: Richard D. Bennett, MSPH CIH

AIHA Laboratory ID Number: 9044

NY State ELAP Lab No. 11052

ELLAP Laboratory ID Number: 9044

The detection limit for lead on wipes and in soil is 0.50mg/L.

Final Approval:

Dorothy McGuggin, Lab Manager

Date:

April 8, 1999



**LEAD-BASED PAINT ABATEMENT
QUARTERS M-7
OFFICERS' HOUSING
CHARLESTON NAVAL COMPLEX
CHARLESTON, SC**



Prepared for:

**DEPARTMENT OF THE NAVY
SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON SC**



Prepared by:

**Supervisor of Shipbuilding, Conversion and Repair,
USN, (SUPSHIP) Portsmouth Va.,
Environmental Detachment Charleston, S.C.
1899 North Hobson Ave.
North Charleston, SC 29405-2106**

11 June 1999



DEPARTMENT OF THE NAVY
SUPERVISOR OF SHIPBUILDING, CONVERSION AND REPAIR, USN
PORTSMOUTH, VIRGINIA, ENVIRONMENTAL DETACHMENT CHARLESTON
1899 NORTH HOBSON AVENUE, BUILDING 30
NORTH CHARLESTON, SOUTH CAROLINA 29405-2106

IN REPLY REFER TO

Ser: 467

JUN 16 1999

From: Director, Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va.
Environmental Detachment Charleston, SC (SPORTENVDETHASN)
To: Commanding Officer, Southern Division Naval Facilities Engineering Command
Attn: Archie Browder, Code 18B4 (SOUTHDIV)

Subj: LEAD-BASED PAINT ABATEMENT FOR QUARTERS M-7, OFFICERS'
HOUSING, CHARLESTON NAVAL COMPLEX, CHARLESTON, SC

Ref: (a) U.S. Department of Housing and Urban Development (HUD) Guidelines for the
Evaluation and Control of Lead Based Paint Hazards in Housing, dated June 1995

Encl: (1) Quarters M-7 Clearance Sampling Results and HUD Visual Inspection Form

1. Abatement of lead-based paint (LBP) from Quarters M-7 located on Charleston Naval Complex is complete. The abatement was performed from 1 March 1999- 12 March 1999, by Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va., Environmental Detachment Charleston. Enclosure (1) provides the LBP Abatement Report for Quarters M-7.

2. Using procedures outlined in ref (a), a SPORTENVDETHASN Certified Lead Inspector/ Risk Assessor conducted clearance dust and soil sampling for Quarters M-7. Azimuth Laboratories, a National Lead Laboratory Accreditation Program participant, provided analytical results of these samples. Initial *soil* samples tested above HUD lead levels. The top level of the soil was removed, and the soil was resampled. This set of soil sampling results revealed lead levels below the following HUD Limits:

Floors	100 $\mu\text{g}/\text{ft}^2$
Interior Window Sills	500 $\mu\text{g}/\text{ft}^2$
Window Troughs	800 $\mu\text{g}/\text{ft}^2$
Soil	2000 $\mu\text{g}/\text{ft}^2$

3. If you have any questions, please contact Ruth Zech or John Lawrence at (843) 743-6777 extensions 219 or 223 respectively.


E. R. DEARHART

Date: 30 March 1999

License No. **Pb27150-97038**

Date cleanup completed: **12 March 1999** Time cleanup completed **1600**

Address: **1899 North Hobson Avenue** Telephone no. **843-743-6777**

Check if repeat clearance examination

[illegible]

Treated X Not treated

Yes x No

Yes x No

Yes x No

NOTES: All windows and casings replaced

Signature

Encl (1)
Page 1 of 8

Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)Date: **30 March 1999**Name of clearance examiner: **Ruth Zech**License No. **Pb27150-97038**Name of property owner: **SOUTHNAVFACENGCOM**Property address **775 Commissary**Apt. No: **Quarters M-7**

Clearance categories:

1. Interior treatments without containment.
2. Interior treatments with containment.
3. Exterior work on painted surfaces.
4. Routine maintenance.
5. Soil work.

Sample number	Fir	Room # or identifier	Surface type (floor, interior window sill, window trough)	Clearance Category number	Dimensions of sample area (inches)	Area (ft ²) (can be completed by lab)	Lab Results (µg/ft ²) (can be completed by lab)	Pass or Fail
99AZ-027-01	1	Porch 1	Floor (Side D, in front of door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-027-02	--	BLANK	BLANK	2	BLANK	BLANK	< 25 µg/ft ²	P
99AZ-027-03	1	Rm 1	Window Sill (Side A)	2	12" x 2-1/2"	.2	< 125 µg/ft ²	P
99AZ-027-04	1	Rm 3	Floor (Side D, in front of door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-027-05	1	Rm 3	Window Trough (Side C)	2	12" x 4"	.33	< 76 µg/ft ²	P
99AZ-027-06	2	Rm 1	Floor (Side B, in front of door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-027-07	2	Rm 1	Window Sill (Side D)	2	12" x 2-1/2"	.2	< 125 µg/ft ²	P
99AZ-027-08	2	Rm 2	Floor (Side C, in front of door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-027-09	2	Bath 2	Window Trough (Side B)	2	12" x 4"	.33	< 76 µg/ft ²	P

Total number of samples on this page **9**Page **1** of **1**Date of sample collection **3/30/1999**Date shipped to lab **3/31/1999**

Shipped by


 (Signature)

Lead Hazard Control Clearance Soil Sampling Form (Composite Sampling Only)Date: **30 March 1999**Name of clearance examiner: **Ruth Zech**License No. **Pb27150-97038**Name of property owner: **SOUTHNAVFACENGCOM**Property address **775 Commissary**Apt. No: **Quarters M-7**

Sample number	Location	Bare or covered	Lab result ($\mu\text{g/g}$)
99AZ-027-10	Side D Dripline	Bare	333 $\mu\text{g/g}$
99AZ-027-11	Side C Dripline	Bare	585 $\mu\text{g/g}$

Sketch soil sampling plot plan. Collect only the top 1/2" of soil.

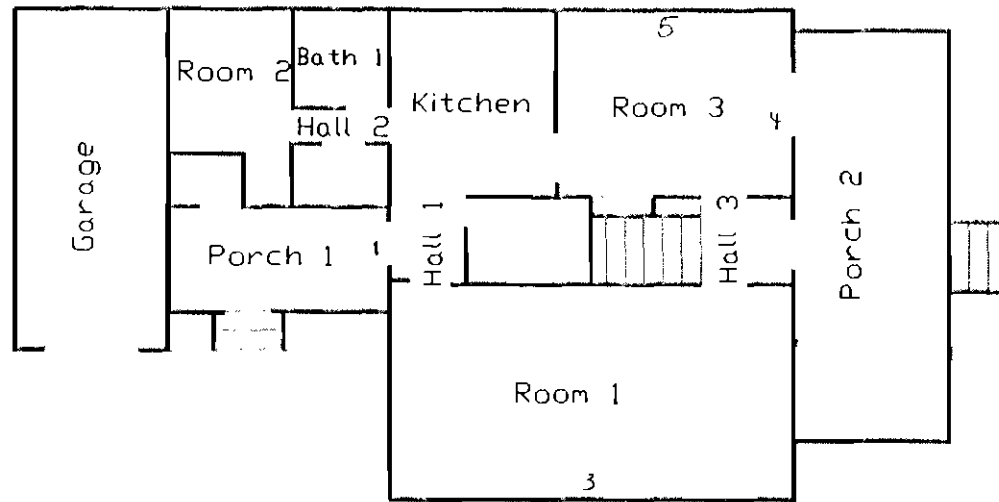
Total number of samples on this page **2**Page **1** of **1**Date of sample collection **3/30/99**Date shipped to lab **3/31/99**

Shipped by

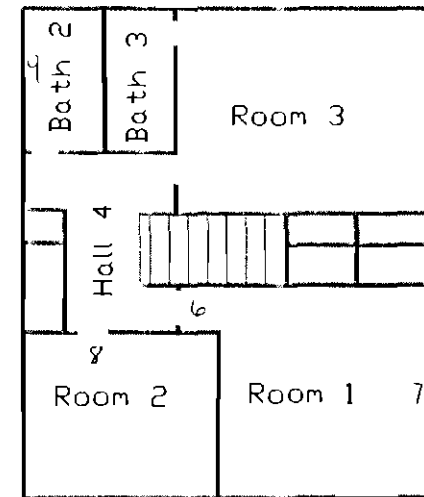
(Signature)

Side C

Side B



FIRST FLOOR



SECOND FLOOR

Side D

Side A

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Quarters M-7
775 Commissary Street
Charleston Naval Complex
Charleston, SC

DWG DATE: 18 Feb 98

DWG NAME: Qtrs-M7



CLIENT: SPORTENVDETHASN
1899 N Hobson Ave., BLDG. 30
N. Charleston, SC 29405-2106
ATTN.: Bill Hiers

Project Info: Quarters M-7

Purchase Ord: Credit Card - Tom

Workorder: 9903146
Received: 3/31/99 10:17:00 AM
Received by: McGuiggan T
Validated: 4/8/99 9:40:00 AM
Validated by: McGuiggan T
Approved: 4/8/99 9:40:00 AM
Approved by: McGuiggan T

Client Sample ID: 99AZ-027-01 Azimuth ID: 9903146-01		Collection Date: 3/30/99
Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-027-02 Azimuth ID: 9903146-02		Collection Date: 3/30/99
Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-027-03 Azimuth ID: 9903146-03		Collection Date: 3/30/99
Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<125 ug/ft2

Client Sample ID: 99AZ-027-04 Azimuth ID: 9903146-04		Collection Date: 3/30/99
Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-027-05
Azimuth ID: 9903146-05

Collection Date: 3/30/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<76 ug/ft2

Client Sample ID: 99AZ-027-06
Azimuth ID: 9903146-06

Collection Date: 3/30/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-027-07
Azimuth ID: 9903146-07

Collection Date: 3/30/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<125 ug/ft2

Client Sample ID: 99AZ-027-08
Azimuth ID: 9903146-08

Collection Date: 3/30/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-027-09
Azimuth ID: 9903146-09

Collection Date: 3/30/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<76 ug/ft2

Client Sample ID: 99AZ-027-10
Azimuth ID: 9903146-10

Collection Date: 3/30/99

Test	Method	Sample Result
Lead	mNIOSH 7082	0.0333 % by wt

Client Sample ID: 99AZ-027-11

Collection Date: 3/30/1999

Azimuth ID: 9903146-11

Test	Method	Sample Result
Lead	mNIOSH 7082	0.0585 % by wt

Director of Laboratories: Richard D. Bennett, MSPH CIH

AIHA Laboratory ID Number: 9044

NY State ELAP Lab No. 11052

ELLAP Laboratory ID Number: 9044

The detection limit for lead on wipes and in soil is 0.50mg/L.

Final Approval:

Danya McGuggen, Lab Manager

Date:

April 8, 1999



**LEAD-BASED PAINT ABATEMENT
QUARTERS M-8
OFFICERS' HOUSING
CHARLESTON NAVAL COMPLEX
CHARLESTON, SC**



Prepared for:

**DEPARTMENT OF THE NAVY
SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON SC**



Prepared by:

**Supervisor of Shipbuilding, Conversion and Repair,
USN, (SUPSHIP) Portsmouth Va.,
Environmental Detachment Charleston, S.C.
1899 North Hobson Ave.
North Charleston, SC 29405-2106**

11 June 1999



DEPARTMENT OF THE NAVY
SUPERVISOR OF SHIPBUILDING, CONVERSION AND REPAIR, USN
PORTSMOUTH, VIRGINIA, ENVIRONMENTAL DETACHMENT CHARLESTON
1899 NORTH HOBSON AVENUE, BUILDING 30
NORTH CHARLESTON, SOUTH CAROLINA 29405-2106

IN REPLY REFER TO.

Ser: 468
JUN 16 1999

From: Director, Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va.
Environmental Detachment Charleston, SC (SPORTENVDETHASN)
To: Commanding Officer, Southern Division Naval Facilities Engineering Command
Attn: Archie Browder, Code 18B4 (SOUTHDIV)

Subj: LEAD-BASED PAINT ABATEMENT FOR QUARTERS M-8, OFFICERS'
HOUSING, CHARLESTON NAVAL COMPLEX, CHARLESTON, SC

Ref: (a) U.S. Department of Housing and Urban Development (HUD) Guidelines for the
Evaluation and Control of Lead Based Paint Hazards in Housing, dated June 1995

Encl: (1) Quarters M-8 Clearance Sampling Results and HUD Visual Inspection Form

1. Abatement of lead-based paint (LBP) from Quarters M-8 located on Charleston Naval Complex is complete. The abatement was performed from 29 March 1999- 16 April 1999, by Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va., Environmental Detachment Charleston. Enclosure (1) provides the LBP Abatement Report for Quarters M-8.

2. Using procedures outlined in ref (a), a SPORTENVDETHASN Certified Lead Inspector/Risk Assessor conducted clearance dust and soil sampling for Quarters M-8. Azimuth Laboratories, a National Lead Laboratory Accreditation Program participant, provided analytical results of these samples. Results revealed lead levels below the following HUD Limits:

Floors	100 $\mu\text{g}/\text{ft}^2$
Interior Window Sills	500 $\mu\text{g}/\text{ft}^2$
Window Troughs	800 $\mu\text{g}/\text{ft}^2$
Soil	2000 $\mu\text{g}/\text{ft}^2$

3. If you have any questions, please contact Ruth Zech or John Lawrence at (843) 743-6777 extensions 219 or 223 respectively.


E. R. DEARHART

Lead Hazard Control Visual Clearance Form

Date: **22 April 1999**Name of clearance examiner: **Ruth Zech**License No. **Pb27150-97038**Name of property owner: **SOUTHNAVFACENGCOM** Property address **1345 Avenue G**Apt. No: **Quarters M-8**Date cleanup completed: **16 April 1999** Time cleanup completed **1600**Abatement/interim control contractor name: **Environmental Detachment Charleston**Address: **1899 North Hobson Avenue**Telephone no. **843-743-6777**

Check if repeat clearance examination _____

Room identifier	List all building components required to be treated in each room	Work on each Component Completed? (yes or no)	Visible paint Chips seen? (yes or no)	Visible Settled Dust seen? (yes or no)	Additional work required?
1 st Flr, Rm 1	Walls, Baseboard and Chair Rail; Windows, Ceiling Crown Moulding, Doors, Door jambs/casings	Yes	No	No	No
1 st Flr, Rm 2	Walls, Baseboard and Chair Rail; Windows, Ceiling Crown Moulding, Doors, Cabinet Doors, Bookcase Shelving	Yes	No	No	No
1 st Flr, Rm 3	Windows, Baseboards, Door Jambs/Casings	Yes	No	No	No
Kitchen	Windows, Stools, Doors, Door Jambs/Casings	Yes	No	No	No
Hall 1	Walls, Doors, Door Entry/Casings, Crown Moulding	Yes	No	No	No
Hall 3	Windows, Doors, Door Jambs/Casings	Yes	No	No	No
Bath 1	Windows	Yes	No	No	No
Stairs	Baseboards and Risers	Yes	No	No	No
Porch 1	Walls/Ceiling, Columns/Lattice/Trim, Door/Jambs/Casings	Yes	No	No	No
Porch 2	Floor, Walls/Ceiling, Columns/Lattice/Trim, Doors/Jambs/Casings, Closet Ceiling	Yes	No	No	No
2 nd Flr Rm 1	Windows	Yes	No	No	No
2 nd Flr Rm 2	Windows	Yes	No	No	No
2 nd Flr Rm 3	Windows	Yes	No	No	No
Bath 2	Walls, Windows	Yes	No	No	No
Bath 3	Windows	Yes	No	No	No
Hall 4	Windows	Yes	No	No	No
Stairwell	Newel Post	Yes	No	No	No
Exterior	Facia/Soffit, Porch Columns/Lattice/Trim, Windows, Awnings, Garage Interior Door Jambs & Casings, Porch Floors	Yes	No	No	No

Exterior soil

____ Treated

 x Not treated

If treated, is bare soil present?

____ Yes

 x No

Was contaminated soil removed?

____ Yes


 x No

Is additional soil treatment required?

____ Yes

 x No**NOTES:** All windows and casings replaced

Signature



Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)Date: **22 April 1999**Name of clearance examiner: **Ruth Zech**License No. **Pb27150-97038**Name of property owner: **SOUTHNAVFACENGCOM**Property address **1311 Avenue G**Apt. No: **Quarters M8**

Clearance categories:

1. Interior treatments without containment.
2. Interior treatments with containment.
3. Exterior work on painted surfaces.
4. Routine maintenance.
5. Soil work.

Sample number	Fir	Room # or identifier	Surface type (floor, interior window sill, window trough)	Clearance Category number	Dimensions of sample area (inches)	Area (ft ²) (can be completed by lab)	Lab Results (µg/ft ²) (can be completed by lab)	Pass or Fail
99AZ-035-01	--	BLANK	BLANK	2	BLANK	BLANK	< 25 µg/ft ²	P
99AZ-035-02	1	Rm 2	Floor (Side B, in front of door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-035-03	1	Rm 2	Window Sill (Side C)	2	12" x 2-1/2"	.2	< 125 µg/ft ²	P
99AZ-035-04	1	Rm 1	Floor (Side B, in front of door)	2	12" x 12"	1	< 52 µg/ft ²	P
99AZ-035-05	1	Rm 1	Window Trough (Side A)	2	12" x 4"	.33	< 76 µg/ft ²	P
99AZ-035-06	2	Rm 1	Floor (Side C, in front of door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-035-07	2	Rm 1	Window Sill (Side A)	2	12" x 2-1/2"	.2	< 125 µg/ft ²	P
99AZ-035-08	2	Rm 2	Floor (Side D, in front of door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-035-09	2	Rm 3	Window Trough (Side C)	2	12" x 4"	.33	< 76 µg/ft ²	P

Total number of samples on this page **9**Page **1** of **1**Date of sample collection **4/22/1999**Date shipped to lab **4/23/1999**

Shipped by

(Signature)



A Division of Azimuth, Incorporated

9229 University Blvd.

Charleston, SC 29406

(800) 968-3565 Fax (843) 569-8792

Test Request Form

Name ENVIRONMENTAL DETACHMENT CHARLESTON
Address 1899 NORTH HOBSON AVE.
NORTH CHARLESTON, S.C.
29405-2106

Special requests:

Verbal results YES

Fax report YES

Fax # 743-9413

Results needed by: 4/30/99

Project No. Quarters M-8 Sample Type Dust & Soil # of Samples 11 P.O. CREDIT CARD-TOM
Contact Name Bill Hiers Phone No. 743-6777 EXT. 124 Date Shipped 4/23/99

Special Instructions / Unusual Conditions / Possible Interferences:

ANALYZE PER APPENDIX 14 OF HUD GUIDELINES.

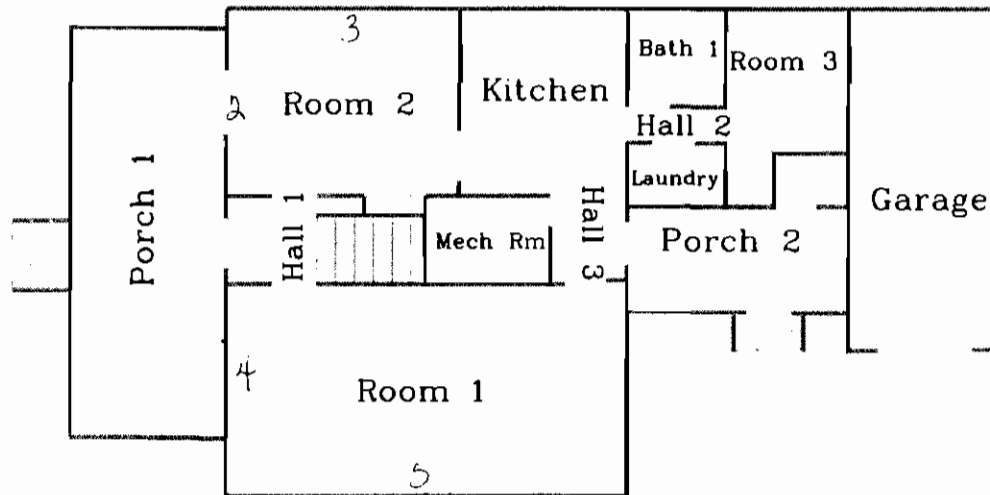
Lab Use Only	Sample Number or Area	Sample Volume or Time	Date Sampled	Media Type	Analysis Requested
✓	99AZ-035-1	1	4-22-99	Dust Wipe	Lead
✓	99AZ-035-2	1	4-22-99	Dust Wipe	Lead
✓	99AZ-035-3	.2	4-22-99	Dust Wipe	Lead
✓	99AZ-035-4	1	4-22-99	Dust Wipe	Lead
✓	99AZ-035-5	.33	4-22-99	Dust Wipe	Lead
✓	99AZ-035-6	1	4-22-99	Dust Wipe	Lead
✓	99AZ-035-7	.2	4-22-99	Dust Wipe	Lead
✓	99AZ-035-8	1	4-22-99	Dust Wipe	Lead
✓	99AZ-035-9	.33	4-22-99	Dust Wipe	Lead
✓	99AZ-035-10	402 jar	4-22-99	Soil	Lead
✓	99AZ-035-11	402 jar	4-22-99	Soil	Lead

American Industrial Hygiene Association: Laboratory Accreditation #367

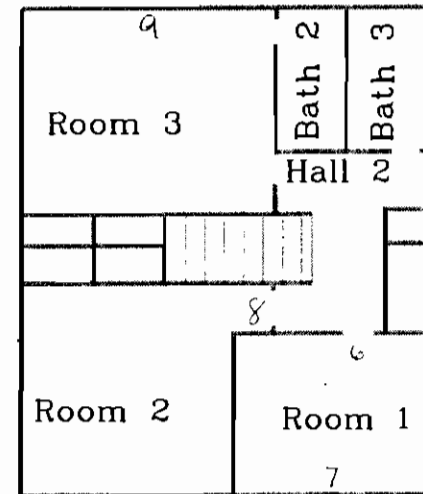
CHAIN OF CUSTODY	Relinquished by <u>[Signature]</u> Date/Time <u>4-23-99 0828</u>	Received by <u>[Signature]</u> Date/Time <u>4-23-99 0828</u>
	Relinquished by <u>Harriett Charles</u> Date/Time <u>4/23/99 1633</u>	Received at Lab by <u>[Signature]</u> Date/Time <u>4/23/99 1633</u>
	Method of Shipment _____	Sample Condition Upon Receipt: <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Other (specify) _____
Authorized by _____ Date _____		Page 4 of 8
(Client Signature Must Accompany Request)		

Side B

Side C



FIRST FLOOR



SECOND FLOOR

Side D

Side A

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

M-8
1445 HOBSON AVENUE
Charleston Naval Complex
Charleston, SC

DWG DATE: 18 Feb 98

DWG NAME: Qtrs-X



CLIENT: SPORTENVDETHASN
1899 N Hobson Ave., BLDG. 30
N. Charleston, SC 29405-2106
ATTN.: Bill Hiers

Project Info: Quarters M-8

Purchase Ord: Credit Card-Tom

Workorder: 9904194
Received: 4/26/99 9:49:00 AM
Received by: McGuiggan T
Validated: 5/4/99 9:42:00 AM
Validated by: McGuiggan T
Approved: 5/4/99 9:42:00 AM
Approved by: McGuiggan T

Client Sample ID: 99AZ-035-1
Azimuth ID: 9904194-01

Collection Date: 4/22/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-035-2
Azimuth ID: 9904194-02

Collection Date: 4/22/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-035-3
Azimuth ID: 9904194-03

Collection Date: 4/22/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<125 ug/ft2

Client Sample ID: 99AZ-035-4
Azimuth ID: 9904194-04

Collection Date: 4/22/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	52 ug/ft2

Client Sample ID: 99AZ-035-5 Azimuth ID: 9904194-05		Collection Date: 4/22/99
Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<76 ug/ft2

Client Sample ID: 99AZ-035-6 Azimuth ID: 9904194-06		Collection Date: 4/22/99
Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-035-7 Azimuth ID: 9904194-07		Collection Date: 4/22/99
Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<125 ug/ft2

Client Sample ID: 99AZ-035-8 Azimuth ID: 9904194-08		Collection Date: 4/22/99
Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-035-9 Azimuth ID: 9904194-09		Collection Date: 4/22/99
Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<76 ug/ft2

Client Sample ID: 99AZ-035-10 Azimuth ID: 9904194-10		Collection Date: 4/22/99
Test	Method	Sample Result
Lead	mNIOSH 7082	0.0438 % by wt

Client Sample ID: 99AZ-035-11

Collection Date: 4/22/99

Azimuth ID: 9904194-11

Test	Method	Sample Result
Lead	mNIOSH 7082	0.0508 % by wt

Director of Laboratories: Richard D. Bennett, MSPH CIH

AIHA Laboratory ID Number: 9044

NY State ELAP Lab No. 11052

ELLAP Laboratory ID Number: 9044

The detection limit for lead on wipes and in soil is 0.50mg/L.

Final Approval:

Donya McGuggan, Lab manager

Date:

May 4, 1999



**LEAD-BASED PAINT ABATEMENT
QUARTERS M-9
OFFICERS' HOUSING
CHARLESTON NAVAL COMPLEX
CHARLESTON, SC**



Prepared for:

**DEPARTMENT OF THE NAVY
SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON SC**



Prepared by:

**Supervisor of Shipbuilding, Conversion and Repair,
USN, (SUPSHIP) Portsmouth Va.,
Environmental Detachment Charleston, S.C.
1899 North Hobson Ave.
North Charleston, SC 29405-2106**

11 June 1999



DEPARTMENT OF THE NAVY
SUPERVISOR OF SHIPBUILDING, CONVERSION AND REPAIR, USN
PORTSMOUTH, VIRGINIA ENVIRONMENTAL DETACHMENT CHARLESTON
1899 NORTH HOBSON AVENUE BUILDING 30
NORTH CHARLESTON SOUTH CAROLINA 29405-2106

IN REPLY REFER TO

Ser: 469
JUN 16 1999

From: Director, Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va.
Environmental Detachment Charleston, SC (SPORTENVDETHASN)
To: Commanding Officer, Southern Division Naval Facilities Engineering Command
Attn: Archie Browder, Code 18B4 (SOUTHDIV)

Subj: LEAD-BASED PAINT ABATEMENT FOR QUARTERS M-9, OFFICERS'
HOUSING, CHARLESTON NAVAL COMPLEX, CHARLESTON, SC

Ref: (a) U.S. Department of Housing and Urban Development (HUD) Guidelines for the
Evaluation and Control of Lead Based Paint Hazards in Housing, dated June 1995

Encl: (1) Quarters M-9 Clearance Sampling Results and HUD Visual Inspection Form

1. Abatement of lead-based paint (LBP) from Quarters M-9 located on Charleston Naval Complex is complete. The abatement was performed from 29 March 1999- 16 April 1999, by Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va., Environmental Detachment Charleston. Enclosure (1) provides the LBP Abatement Report for Quarters M-9.

2. Using procedures outlined in ref (a), a SPORTENVDETHASN Certified Lead Inspector/Risk Assessor conducted clearance dust and soil sampling for Quarters M-9. Azimuth Laboratories, a National Lead Laboratory Accreditation Program participant, provided analytical results of these samples. Results revealed lead levels below the following HUD Limits:

Floors	100 $\mu\text{g}/\text{ft}^2$
Interior Window Sills	500 $\mu\text{g}/\text{ft}^2$
Window Troughs	800 $\mu\text{g}/\text{ft}^2$
Soil	2000 $\mu\text{g}/\text{ft}^2$

3. If you have any questions, please contact Ruth Zech or John Lawrence at (843) 743-6777 extensions 219 or 223 respectively.


E. R. DEARHART

Lead Hazard Control Visual Clearance Form

Date: **22 April 1999**

Name of clearance examiner: **Ruth Zech**

License No. **Pb27150-97038**

Name of property owner: **SOUTHNAVFACENGCOM** Property address **1345 Avenue G** Apt. no: **Quarters M-9**

Date cleanup completed: **16 April 1999** Time cleanup completed **1600**

Abatement/interim control contractor name: **Environmental Detachment Charleston**

Address: **1899 North Hobson Avenue** Telephone no. **843-743-6777** Check if repeat clearance examination _____

Room identifier	List all building components required to be treated in each room	Work on each Component Completed? (yes or no)	Visible paint Chips seen? (yes or no)	Visible Settled Dust seen? (yes or no)	Additional work required?
1 st Flr, Rm 1	Window Aprons, Door Jambs/Casings	Yes	No	No	No
1 st Flr, Rm 2	Baseboard	Yes	No	No	No
1 st Flr, Rm 3	Window Aprons, Baseboards, Wall Register, Door Jambs/Casings	Yes	No	No	No
Kitchen	Window Aprons	Yes	No	No	No
Hall 1	Doors, Door Jambs/Casings	Yes	No	No	No
Hall 3	Cabinet Doors, Baseboards, Doors, Door Jambs/Casings	Yes	No	No	No
Bath 1	Doors, Window Aprons	Yes	No	No	No
Porch 1	Columns/Lattice/Trim, Walls/Ceiling, Doors, Door/Jambs/Casings, Closet ceiling	Yes	No	No	No
Porch 2	Walls/Ceiling, Columns/Lattice/Trim	Yes	No	No	No
2 nd Flr Rm 1	Walls & Baseboard, Crown Moulding, Window Aprons, Doors, Closet Baseboards	Yes	No	No	No
2 nd Flr Rm 2	Window Aprons, Doors, Baseboards, Closet Baseboards	Yes	No	No	No
2 nd Flr Rm 3	Window Aprons, Closet Baseboards	Yes	No	No	No
Hall 4	Cabinet Doors, Closet Baseboards	Yes	No	No	No
Exterior	Facia/Soffit, Porch Columns/Lattice/Trim, Window Sashes/Aprons/Casings	Yes	No	No	No

Exterior soil

If treated, is bare soil present?

Was contaminated soil removed?

Is additional soil treatment required?

NOTES: All windows and casings replaced

____ Treated

____ Yes

____ Yes

____ Yes

 x Not treated

 x No

 x No

 x No

Signature 

Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)Date: **22 April 1999**Name of clearance examiner: **Ruth Zech**License No. **Pb27150-97038**Name of property owner: **SOUTHNAVFACENGCOM**Property address **1311 Avenue G**Apt. No: **Quarters M9**

Clearance categories:

1. Interior treatments without containment.
2. Interior treatments with containment.
3. Exterior work on painted surfaces.
4. Routine maintenance.
5. Soil work.

Sample number	Fir	Room # or identifier	Surface type (floor, interior window sill, window trough)	Clearance Category number	Dimensions of sample area (inches)	Area (ft ²) (can be completed by lab)	Lab Results (µg/ft ²) (can be completed by lab)	Pass or Fail
99AZ-036-01	--	BLANK	BLANK	2	BLANK	BLANK	< 25 µg/ft ²	P
99AZ-036-02	1	Rm 1	Floor (Side D, in front of door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-036-03	1	Rm 1	Window Sill (Side A)	2	12" x 2-1/2"	.2	< 125 µg/ft ²	P
99AZ-036-04	1	Rm 3	Floor (Side D, in front of door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-036-05	1	Rm 3	Window Trough (Side C)	2	12" x 4"	.33	< 76 µg/ft ²	P
99AZ-036-06	2	Rm 1	Floor (Side B, in front of door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-036-07	2	Rm 1	Window Sill (Side D)	2	12" x 2-1/2"	.2	< 125 µg/ft ²	P
99AZ-036-08	2	Rm 2	Floor (Side C, in front of door)	2	12" x 12"	1	< 25 µg/ft ²	P
99AZ-036-09	2	Bath 2	Window Trough (Side B)	2	12" x 4"	.33	< 76 µg/ft ²	P

Total number of samples on this page **9**Page **1** of **1**Date of sample collection **4/22/1999**Date shipped to lab **4/23/1999**

Shipped by

(Signature)

Lead Hazard Control Clearance Soil Sampling Form (Composite Sampling Only)Date: **22 April 1999**Name of clearance examiner: **Ruth Zech**License No. **Pb27150-97038**Name of property owner: **SOUTHNAVFACENGCOM**Property address **1311 Avenue G**Apt. No: **Quarters M9**

Sample number	Location	Bare or covered	Lab result ($\mu\text{g/g}$)
99AZ-036-10	Side A Dripline	Bare	392 $\mu\text{g/g}$
99AZ-036-11	Side D Dripline	Bare	511 $\mu\text{g/g}$

Sketch soil sampling plot plan. Collect only the top 1/2" of soil.

Total number of samples on this page **2**Page **1** of **1**Date of sample collection **4/22/99**Date shipped to lab **4/23/99**

Shipped by

(Signature)



A Division of Azimuth, Incorporated

9229 University Blvd.

Charleston, SC 29406

(800) 968-3565 Fax (843) 569-8792

Test Request Form

Name Env Detachment Charleston
Address 1899 North Hobson Avenue
North Charleston SC 29403-2106

Special requests:

Verbal results YES

Fax report YES

Fax # 743-9443

Results needed by: 4/30/99

Project No. <u>Quarters M-9</u>	Sample Type <u>Dust & Soil</u>	# of Samples <u>11</u>	P.O. CREDIT CARD <u>Tom</u>
Contact Name <u>Bill Hiers</u>	Phone No. <u>743-6777</u>	Date Shipped <u>4/23/99</u>	

Special Instructions / Unusual Conditions / Possible Interferences:

Analyze per Appendix 14 of HUD Guidelines

Lab Use Only	Sample Number or Area	Sample Volume or Time	Date Sampled	Media Type	Analysis Requested
✓	99AZ-036-1	1	4-22-99	Dust wipe	Lead
✓	99AZ-036-2	1	4-22-99	Dust wipe	Lead
✓	99AZ-036-3	.2	4-22-99	Dust Wipe	Lead
✓	99AZ-036-4	1	4-22-99	Dust Wipe	Lead
✓	99AZ-036-5	.33	4-22-99	Dust Wipe	Lead
✓	99AZ-036-6	1	4-22-99	Dust Wipe	Lead
✓	99AZ-036-7	.2	4-22-99	Dust Wipe	Lead
✓	99AZ-036-8	1	4-22-99	Dust Wipe	Lead
✓	99AZ-036-9	.33	4-22-99	Dust Wipe	Lead
✓	99AZ-036-10	402 jar	4-22-99	Soil	Lead
✓	99AZ-036-11	402 jar	4-22-99	Soil	Lead

American Industrial Hygiene Association: Laboratory Accreditation #367

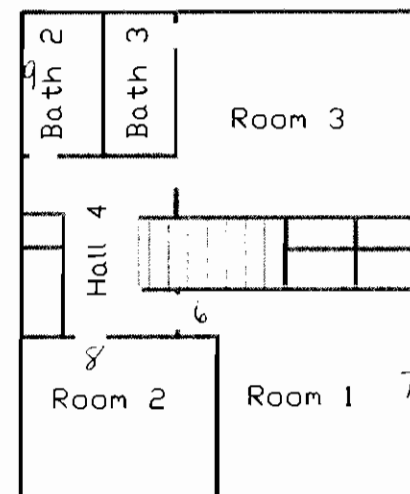
CHAIN OF CUSTODY	Relinquished by: <u>[Signature]</u>	Date/Time: <u>4-23-99 0828</u>	Received by: <u>[Signature]</u>	Date/Time: <u>4-23-99 0828</u>
	Relinquished by: <u>[Signature]</u>	Date/Time: <u>4-23-99 1633</u>	Received at Lab by: <u>[Signature]</u>	Date/Time: <u>4/23/99 1633</u>
	Method of Shipment:		Sample Condition Upon Receipt: <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain):	
Authorized by: _____ Date: _____		Page 4 of 8		
(Client Signature Must Accompany Request)				

A floor plan of a house with the following labeled areas and numbers:

- Garage**: Located on the far left.
- Room 2**: Located above the Garage.
- Bath 1**: Located to the right of Room 2.
- Hall 2**: Located below Bath 1.
- Kitchen**: Located to the right of Hall 2.
- Room 3**: Located to the right of the Kitchen, with a handwritten number **5** above it.
- Porch 1**: Located below Room 2 and Hall 2.
- Hall 1**: Located to the right of Porch 1.
- Room 1**: A large room at the bottom center, with a handwritten number **3** below it.
- Hall 3**: Located to the right of Room 1.
- Porch 2**: A long porch on the far right, with a handwritten number **2** to its left.
- Room 4**: A small room at the top right, with a handwritten number **4** next to it.

Side C

FIRST FLOOR



SECOND FLOOR

Side A

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Quarters M-9
809 Commissary Street
Charleston Naval Complex
Charleston, SC

DWG DATE:18 Feb 98

DWG NAME: Qtrs-M9



CLIENT: SPORTENVDETHASN
1899 N Hobson Ave., BLDG. 30
N. Charleston, SC 29405-2106
ATTN.: Bill Hiers

Project Info: Quarters M-9

Purchase Ord: Credit Card-Tom

Workorder: 9904193
Received: 4/26/99 9:49:00 AM
Received by: McGuiggan T
Validated: 5/4/99 9:44:00 AM
Validated by: McGuiggan T
Approved: 5/4/99 9:44:00 AM
Approved by: McGuiggan T

Client Sample ID: 99AZ-036-1
Azimuth ID: 9904193-01

Collection Date: 4/22/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-036-2
Azimuth ID: 9904193-02

Collection Date: 4/22/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-036-3
Azimuth ID: 9904193-03

Collection Date: 4/22/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<125 ug/ft2

Client Sample ID: 99AZ-036-4
Azimuth ID: 9904193-04

Collection Date: 4/22/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-036-5
Azimuth ID: 9904193-05

Collection Date: 4/22/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<76 ug/ft2

Client Sample ID: 99AZ-036-6
Azimuth ID: 9904193-06

Collection Date: 4/22/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-036-7
Azimuth ID: 9904193-07

Collection Date: 4/22/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<125 ug/ft2

Client Sample ID: 99AZ-036-8
Azimuth ID: 9904193-08

Collection Date: 4/22/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<25 ug/ft2

Client Sample ID: 99AZ-036-9
Azimuth ID: 9904193-09

Collection Date: 4/22/99

Test	Method	Sample Result
Lead Wipe	mNIOSH 7082	<76 ug/ft2

Client Sample ID: 99AZ-036-10
Azimuth ID: 9904193-10

Collection Date: 4/22/99

Test	Method	Sample Result
Lead	mNIOSH 7082	0.0392 % by wt

Client Sample ID: 99AZ-036-11

Collection Date: 4/22/99

Azimuth ID: 9904193-11

Test	Method	Sample Result
Lead	mNIOSH 7082	0.0511 % by wt

Director of Laboratories: Richard D. Bennett, MSPH CIH

AIHA Laboratory ID Number: 9044

NY State ELAP Lab No. 11052

ELLAP Laboratory ID Number: 9044

The detection limit for lead on wipes and in soil is 0.50mg/L.

Final Approval:

Dorothy McGuigan, Lab Manager

Date:

May 4, 1999